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USSR Grain Statistics: 1981-1985 in Perspective

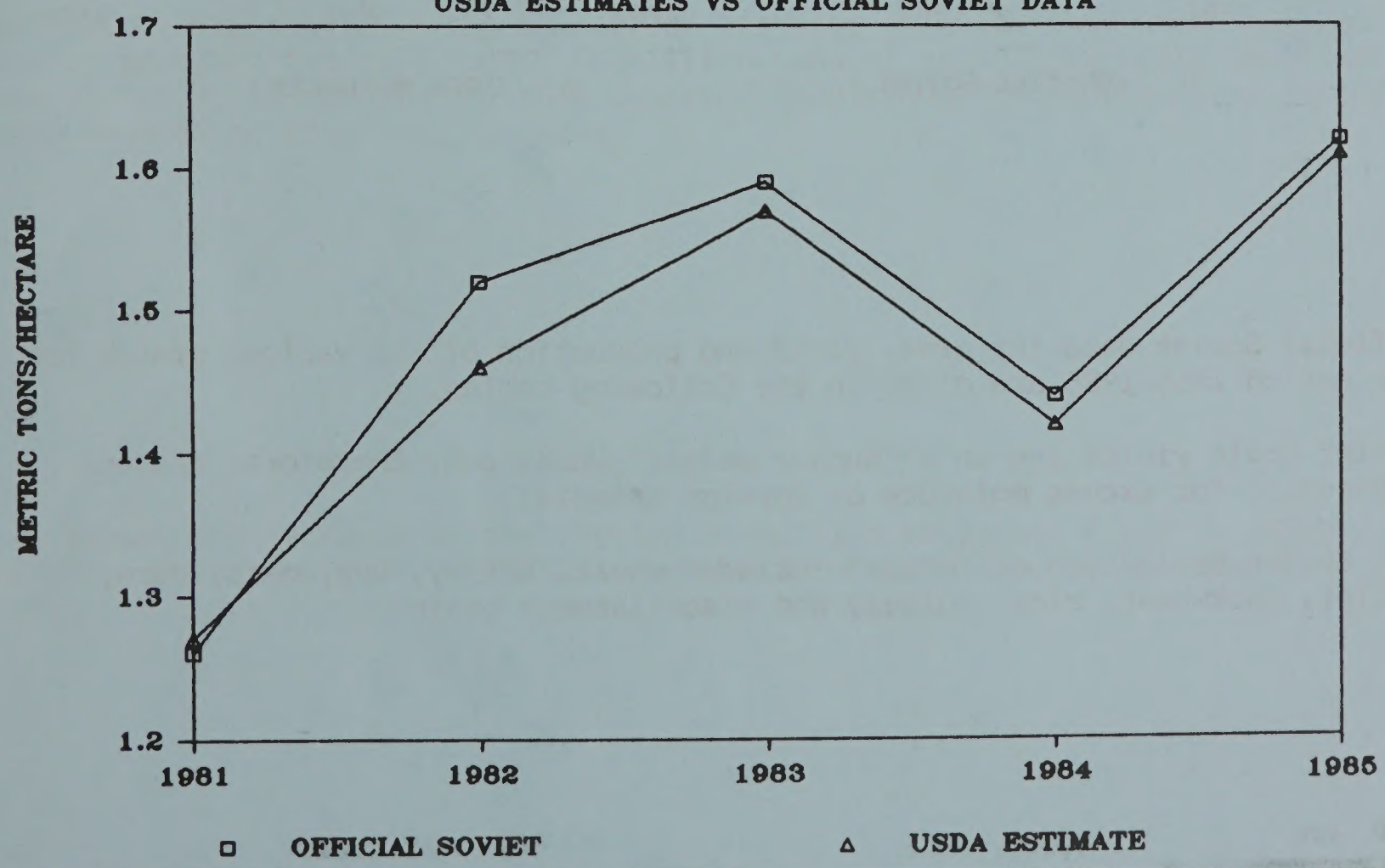
The Soviet Union recently released its grain yield and production figures for the 1981-1985 crops for the first time. The data were published in the statistical yearbook, "The National Economy of the USSR, 1985." Prior to the issuance of these figures, 1980 was the last crop for which the Soviet Union had published yield, area and production data.

The official yield and production figures for the total Soviet 1981-1985 grain crops and corresponding USDA estimates follow:

Year	YIELDS Official Soviet Data	YIELDS USDA Estimates
	(Metric Tons Per Hectare)	
1981	1.26	1.27
1982	1.52	1.46
1983	1.59	1.57
1984	1.44	1.42
1985	1.62	1.61

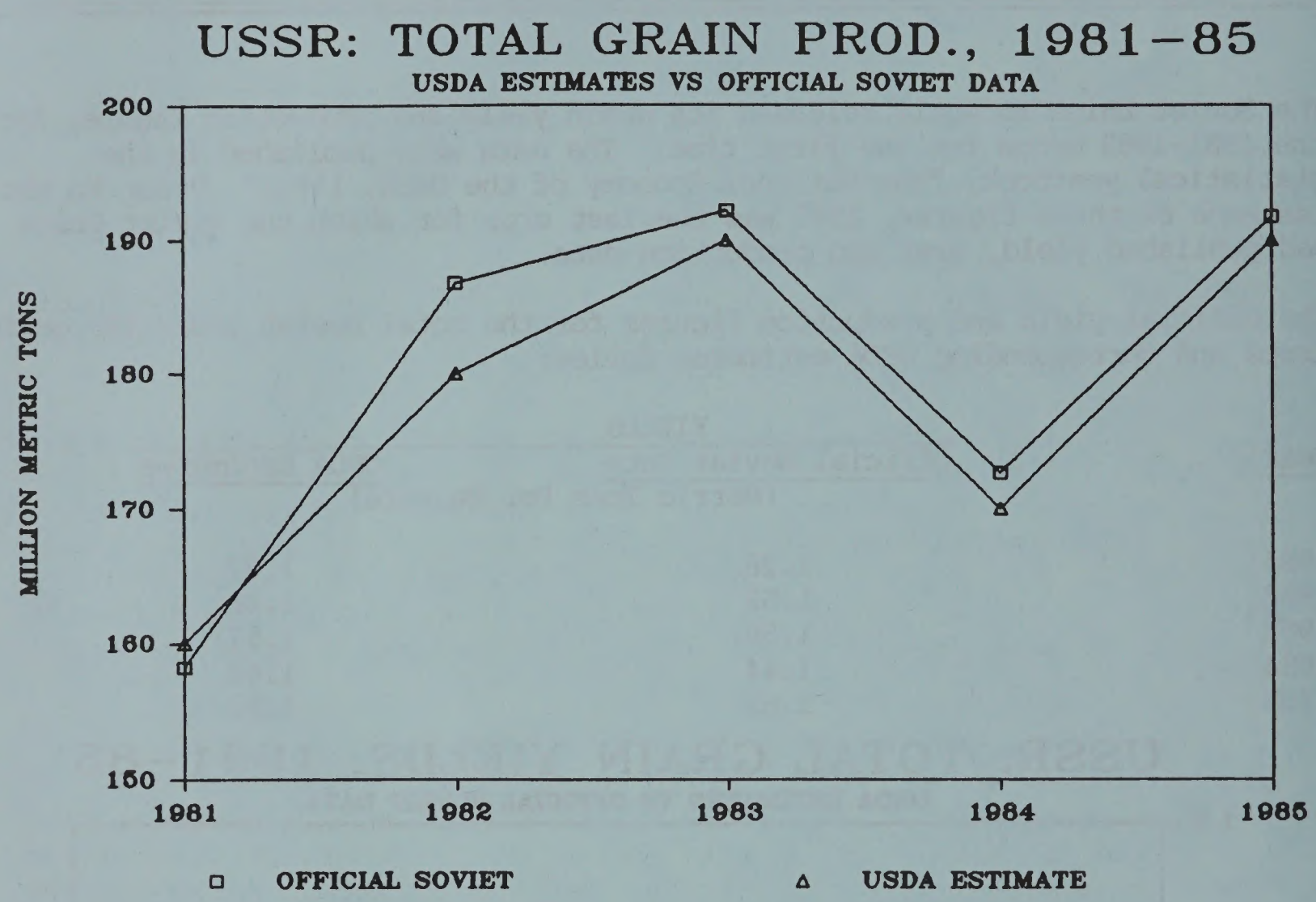
USSR: TOTAL GRAIN YIELDS, 1981-85

USDA ESTIMATES VS OFFICIAL SOVIET DATA



Approved by the World Agricultural Outlook Board - USDA

Year	PRODUCTION Official Soviet Data (1,000 Metric Tons)	USDA Estimates
1981	158,216	160,000
1882	186,773	180,000
1983	192,216	190,000
1984	172,627	170,000
1985	191,674	190,000



Official Soviet data for area, yield and production of the various grains for the period 1955-1985 are given in the following tables.

Soviet grain yields are on a "bunker weight" basis and, therefore, are not discounted for excess moisture or foreign material.

The Soviet definition of "grain" includes wheat, barley, rye, oats, corn, millet, buckwheat, rice, pulses, and miscellaneous grains.

Considering the significant role of grain in the economy of the USSR, it is necessary to analyze the yield and production data for the last 5 years and to put them into perspective. The period beginning 1971 was selected for this, since in the early 1970s, the leadership of the USSR seriously embarked on a program to improve the Soviet diet, specifically to increase the per capita consumption of livestock products. Also, 1971-1985 coincides with three 5-year plans which are central for all economic activity in the USSR. Greater and assured availability of grain was the focal point of the effort to improve livestock output. While trying to raise domestic grain output, the Soviets also undertook the role of a consistent and major grain importer in order to satisfy the needs of their livestock industry. They have continued as a net importer of grain.

The following charts show the patterns of grain production and yields since 1971. Production has been strongly related to yields which fluctuated widely, more in the 1970's than in this decade. Although less unstable in recent years, yields of total grains, bread grains, and feed grains did not improve during 1971-1985. Individually, rye, corn and oats enjoyed increased yields in the last 5 years; wheat and barley yields were lower. Irrigation contributed substantially to the improved corn yields. From 1971 to 1985, the area of total irrigated land rose by 40 percent, but for grain went up over 60 percent, from 2.3 million to 3.8 million hectares.

Changes in cropping patterns were made during 1971-1985. Total grain area was reduced, as was the area seeded to bread grains; the feed grains area and area devoted to fallow were increased. These shifts changed production patterns. As expected, feed grains had a somewhat larger share of total output in 1981-1985 than in the earlier periods. Relatively, bread grain production declined. Because of the emphasis on producing pulses, as a source of protein for livestock rations, the output of "other grains" increased, especially in 1981-1985.

Regarding the 1985 grain crop, it is interesting to note that the new system of intensive technology was applied widely in the USSR for the first time. The Soviets reported that the 17 million hectares on which this technique was applied produced "an additional" 16 million tons of grain, primarily wheat and some corn. It is unclear how this reported "additional" output relates to the total harvest of 191.7 million tons.

This report was prepared by the Foreign Production Estimates Division (FPED), FAS/USDA, Washington, D.C. 20250. Further information may be obtained by writing to the division or by calling (202) 382-8888.

USSR: GRAIN AREA, 1955-1985
1,000 hectares

Year	Total Grains	Winter Grains	Spring Grains	Total Wheat	Winter Wheat	Spring Wheat	Total Coarse Grains 1/	Total Barley	Winter Barley	Spring Barley	Rye 2/	Oats	Millet	Corn	Buck-Wheat	Rice	Misc. 3/	Pulses
1955	123,461	38,105	85,356	60,457	18,285	42,172	57,733	9,855	612	9,243	19,208	14,811	7,683	6,176	2,761	142	281	2,087
1956	125,605	32,019	93,586	62,010	12,889	49,121	58,397	11,872	641	11,231	18,489	15,063	6,369	6,604	2,676	149	303	2,071
1957	122,005	37,448	84,557	69,058	18,535	50,523	48,182	9,164	750	8,414	19,163	14,029	3,570	3,256	2,450	113	257	1,945
1958	121,417	37,231	84,186	66,642	18,195	48,447	50,619	9,679	1,059	8,620	17,977	14,832	3,729	4,402	1,689	106	254	2,107
1959	114,522	35,913	78,609	62,997	17,419	45,578	47,342	9,631	1,356	8,275	17,138	14,238	2,698	3,547	1,318	96	234	2,535
1960	115,537	29,405	86,132	60,393	12,055	48,338	50,087	12,126	1,100	11,026	16,250	12,842	3,783	5,086	1,418	95	223	3,321
1961	122,243	35,767	86,476	63,000	17,267	45,733	52,653	13,375	1,700	11,675	16,800	11,533	3,800	7,145	1,819	118	236	4,345
1962	128,676	37,041	91,635	67,411	18,128	49,283	51,442	16,250	1,975	14,275	16,938	6,950	4,299	7,005	2,287	119	217	7,200
1963	129,953	33,401	96,579	64,609	16,356	48,253	52,174	20,470	2,020	18,450	15,025	5,719	3,965	6,995	1,824	147	369	10,830
1964	133,306	37,211	96,110	67,887	19,004	48,883	52,878	21,674	1,400	20,274	16,807	5,734	3,549	5,114	1,383	191	324	10,643
1965	128,024	37,224	90,800	70,205	19,794	50,411	48,825	19,737	1,400	18,337	16,030	6,628	3,253	3,177	1,797	217	224	6,759
1966	124,807	34,886	89,921	69,958	19,803	50,155	46,622	19,396	1,500	17,896	13,583	7,162	3,253	3,229	1,844	248	208	5,927
1967	122,172	33,426	88,746	67,026	19,708	47,318	46,798	19,125	1,300	17,825	12,418	8,688	3,802	3,485	1,723	281	164	5,460
1968	121,472	32,841	88,631	67,231	18,972	48,259	47,020	19,353	1,600	17,753	12,269	8,998	3,050	3,350	1,703	312	154	5,052
1969	122,703	24,551	98,152	66,426	14,414	52,012	48,564	22,484	900	21,584	9,237	9,300	3,376	4,167	2,043	328	155	5,187
1970	119,261	29,825	89,436	65,230	18,505	46,725	46,611	21,297	1,300	19,997	10,020	9,250	2,691	3,353	1,879	350	121	5,070
1971	117,937	31,501	86,436	64,035	20,694	43,341	46,434	21,566	1,300	20,266	9,507	9,632	2,397	3,332	1,768	390	132	5,178
1972	120,158	24,406	95,752	58,492	14,979	43,513	53,523	27,269	1,267	26,002	8,160	11,358	2,724	4,012	1,720	421	147	5,855
1973	126,738	26,946	99,792	63,155	18,340	44,815	55,167	29,387	1,594	27,793	7,012	11,887	2,850	4,031	1,648	462	223	6,083
1974	127,187	29,879	97,308	59,676	18,610	41,066	59,381	31,079	1,459	29,620	9,810	11,567	2,970	3,955	1,589	495	266	5,780
1975	127,920	29,216	98,705	61,985	19,593	42,392	58,091	32,548	1,613	30,935	8,010	12,107	2,774	2,652	1,459	500	215	5,670
1976	127,760	27,453	100,307	59,467	17,248	42,219	60,866	34,261	1,170	33,091	9,035	11,269	2,998	3,303	1,431	524	319	5,153
1977	130,344	28,868	101,476	62,030	20,712	41,318	60,647	34,514	1,459	33,005	6,697	13,026	3,048	3,362	1,743	546	183	5,195
1978	128,465	32,271	96,194	62,898	23,122	39,776	57,965	32,690	1,430	31,260	7,719	12,097	2,924	2,535	1,773	580	191	5,058
1979	126,351	26,535	99,816	57,682	18,718	38,964	61,171	37,005	1,341	35,664	6,476	12,239	2,784	2,667	1,662	610	186	5,040
1980	126,608	32,658	93,950	61,475	22,553	38,922	57,882	31,574	1,460	30,114	8,645	11,770	2,907	2,977	1,704	666	166	4,715
1981	125,559	29,435	96,124	59,232	20,305	38,927	58,039	31,781	1,579	30,202	7,551	12,470	2,692	3,545	1,806	634	199	5,649
1982	123,012	31,941	91,071	57,278	20,438	36,840	58,006	29,706	1,674	28,032	9,829	11,489	2,821	4,161	1,692	648	236	5,152
1983	120,809	28,788	92,021	50,823	16,850	33,973	61,181	31,679	1,604	30,075	10,334	12,389	2,885	3,894	1,772	651	277	6,105
1984	119,612	29,027	90,585	51,061	17,956	33,105	59,211	30,426	1,651	28,775	9,420	12,806	2,640	3,919	1,694	688	256	6,702
1985	117,939	28,740	89,199	50,265	17,996	32,269	58,472	29,058	1,224	27,834	9,520	12,604	2,808	4,482	1,689	671	319	6,523

1/ Includes barley, rye, oats, millet and corn.
2/ Includes both winter and spring rye.
3/ Calculated residual.

NOTE: Winter grains, spring grains, and total coarse grains are aggregates of individual Soviet grains which are compiled in order to conform to USDA classifications.

SOURCE: Official Soviet statistical publications, including Narodnoye Khozyaystvo 1985 and Vestnik Statistiki, No. 10, 1986.

USSR: GRAIN YIELDS, 1955-1985
Metric Tons/Hectare

Year	Total Grains	Winter Grains	Spring Grains	Total Wheat	Winter Wheat	Spring Wheat	Total Coarse Grains 1/	Total Barley	Winter Barley	Spring Barley	Rye 2/	Oats	Millet	Corn	Buck-Wheat	Rice	Misc. 3/	Pulses
1955	.84	1.10	.72	.78	1.35	.54	.92	1.05	1.28	1.04	.86	.80	.38	1.87	.45	1.73	.53	.72
1956	.99	.93	1.02	1.09	1.16	1.07	.94	1.09	1.19	1.08	.76	.88	.72	1.49	.48	1.69	.62	.58
1957	.84	1.14	.71	.84	1.47	.61	.87	.93	1.12	.91	.80	.91	.44	1.42	.31	1.87	.57	.78
1958	1.11	1.26	1.04	1.15	1.62	.97	1.09	1.34	1.56	1.31	.88	.90	.77	2.32	.39	2.04	.83	.86
1959	1.04	1.26	.94	1.10	1.52	.94	1.00	1.05	1.44	.99	.99	.94	.48	1.59	.29	2.23	.75	.83
1960	1.09	1.23	1.04	1.06	1.51	.95	1.15	1.32	1.45	1.31	1.01	.93	.85	1.93	.45	1.96	1.03	.81
1961	1.07	1.34	.96	1.06	1.69	.82	1.12	1.00	1.27	.96	1.00	.77	.76	2.40	.46	2.09	.86	.93
1962	1.09	1.36	.98	1.05	1.68	.82	1.18	1.20	1.55	1.16	1.01	.82	.65	2.21	.38	2.29	.75	1.05
1963	.83	1.08	.74	.77	1.30	.59	.93	.97	1.51	.91	.79	.69	.46	1.59	.27	2.56	.75	.74
1964	1.14	1.12	1.15	1.10	1.38	.99	1.23	1.32	1.30	1.32	.81	.96	.98	2.71	.52	2.47	.95	1.04
1965	.95	1.34	.78	.85	1.61	.55	1.08	1.03	1.32	1.01	1.01	.93	.68	2.53	.53	2.69	1.25	.99
1966	1.37	1.61	1.28	1.44	2.04	1.20	1.32	1.44	1.72	1.41	.97	1.28	.95	2.61	.51	2.87	1.28	1.19
1967	1.21	1.50	1.10	1.16	1.78	.89	1.30	1.29	1.52	1.27	1.05	1.33	.85	2.63	.68	3.19	1.45	1.20
1968	1.40	1.57	1.33	1.39	1.83	1.22	1.41	1.49	1.68	1.48	1.15	1.29	.87	2.64	.86	3.41	1.62	1.43
1969	1.32	1.59	1.26	1.20	1.89	1.01	1.48	1.45	1.09	1.47	1.18	1.41	.97	2.87	.67	3.38	1.59	1.51
1970	1.57	1.93	1.45	1.53	2.28	1.23	1.65	1.79	1.80	1.79	1.29	1.54	.78	2.81	.58	3.65	1.71	1.50
1971	1.54	2.00	1.37	1.54	2.31	1.18	1.56	1.60	1.81	1.59	1.35	1.52	.85	2.58	.66	3.66	1.67	1.34
1972	1.40	1.67	1.33	1.47	1.96	1.30	1.35	1.35	1.30	1.35	1.18	1.24	.78	2.45	.47	3.91	1.29	1.21
1973	1.76	2.36	1.59	1.74	2.70	1.35	1.83	1.87	2.05	1.86	1.53	1.47	1.55	3.28	.79	3.82	1.25	1.39
1974	1.54	2.09	1.37	1.41	2.40	.95	1.68	1.74	1.79	1.74	1.55	1.32	.98	3.06	.61	3.86	1.69	1.51
1975	1.10	1.66	.93	1.07	1.87	.70	1.13	1.10	1.83	1.06	1.13	1.03	.41	2.76	.33	4.02	1.20	.94
1976	1.75	2.22	1.62	1.63	2.59	1.24	1.89	2.03	2.03	2.03	1.55	1.61	1.05	3.06	.62	3.82	1.08	1.67
1977	1.50	2.20	1.30	1.49	2.51	.97	1.53	1.53	2.05	1.50	1.27	1.41	.65	3.25	.59	4.06	1.45	1.43
1978	1.85	2.66	1.58	1.92	2.98	1.31	1.82	1.90	2.35	1.88	1.76	1.54	.75	3.50	.55	3.64	1.20	1.52
1979	1.42	1.86	1.30	1.56	2.05	1.33	1.33	1.29	2.12	1.27	1.26	1.24	.55	3.13	.50	3.92	1.38	.86
1980	1.49	1.93	1.34	1.60	2.21	1.24	1.39	1.38	2.13	1.34	1.18	1.32	.64	3.17	.59	4.19	1.28	1.35
1981	1.26	2.03	1.02	1.37	2.29	.89	1.19	1.14	2.33	1.07	1.28	.99	.69	2.66	.31	3.92	1.29	.79
1982	1.52	2.07	1.33	1.47	2.33	1.00	1.58	1.45	2.14	1.41	1.51	1.46	.90	3.53	.63	3.81	1.11	1.32
1983	1.59	2.14	1.42	1.52	2.42	1.08	1.67	1.58	2.24	1.54	1.68	1.51	.84	3.39	.58	3.99	1.43	1.44
1984	1.44	2.00	1.27	1.34	2.22	.87	1.53	1.37	2.54	1.31	1.49	1.50	.71	3.45	.65	3.95	3.39	1.32
1985	1.62	1.99	1.51	1.55	2.16	1.21	1.71	1.60	2.13	1.58	1.66	1.63	1.02	3.21	.69	3.83	1.24	1.44

1/ Includes barley, rye, oats, millet and corn.
2/ Includes winter and spring rye.
3/ Calculated residual.

NOTE: Those data not from official Soviet sources have been calculated from them. Winter grains, spring grains, and total coarse grains are aggregates of individual Soviet grains which are compiled in order to conform to USDA classifications. Yield data derived from official production and area data for total wheat and total barley.

SOURCE: Official Soviet statistical publications, including Narodnoye Khozyaystvo 1985 and Vestnik Statistiki, No. 10, 1986.

USSR: GRAIN PRODUCTION, 1955-1985
1,000 Metric Tons

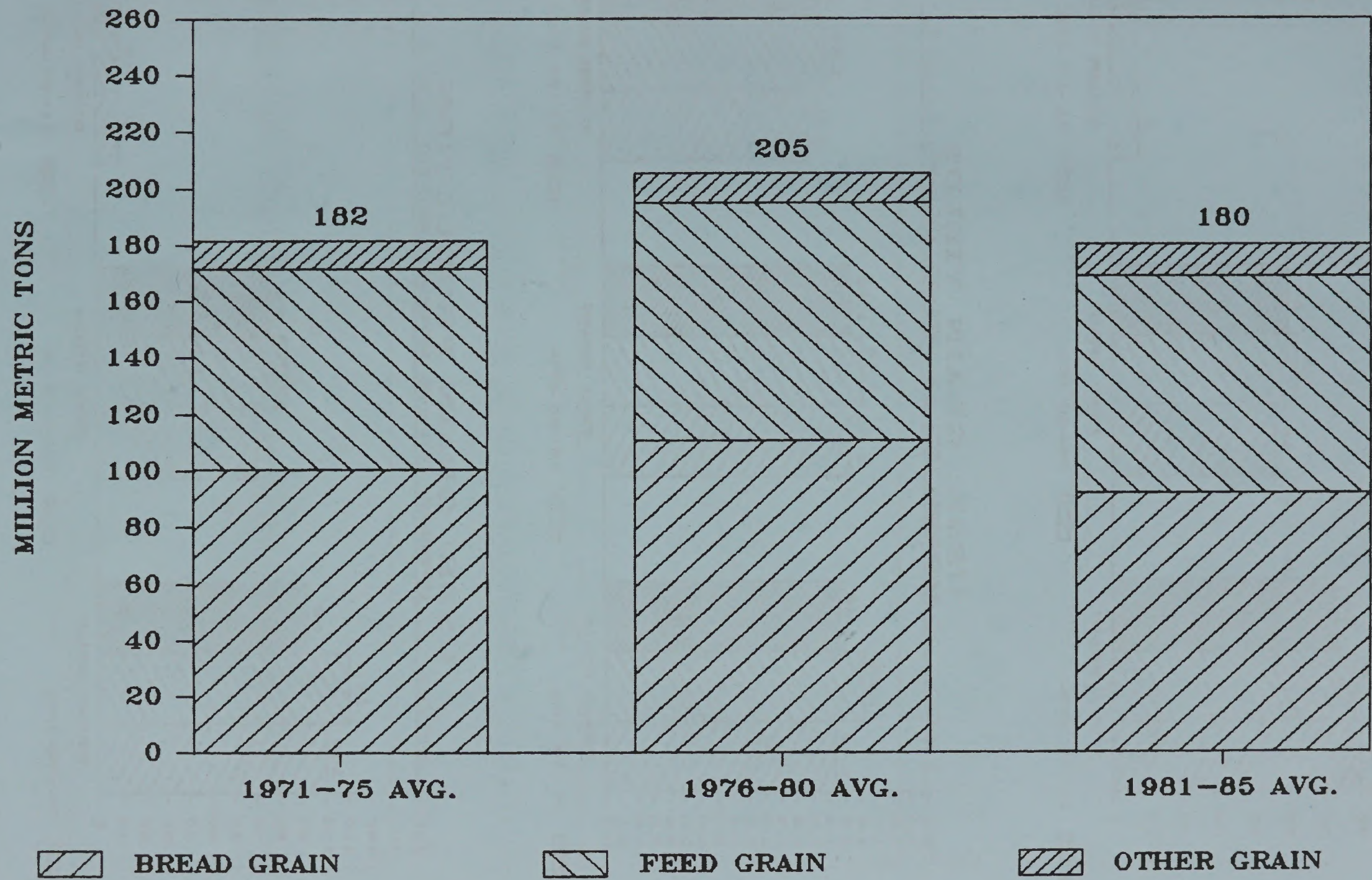
Year	Total Grains	Winter Grains	Spring Grains	Total Wheat	Winter Wheat	Spring Wheat	Total Coarse Grains 1/	Total Barley	Winter Barley	Spring Barley	Rye 2/	Oats	Millet	Corn	Buck-Wheat	Rice	Misc. 3/	Pulses
1955	103,687	42,039	61,648	47,289	24,726	22,563	53,238	10,350	782	9,568	16,531	11,827	2,956	11,574	1,253	246	150	1,511
1956	124,951	29,835	95,116	67,380	14,973	52,407	54,638	12,903	762	12,141	14,100	13,218	4,556	9,861	1,285	250	188	1,210
1957	102,639	42,516	60,123	58,113	27,174	30,939	41,889	8,480	842	7,638	14,500	12,729	1,559	4,621	769	211	147	1,510
1958	134,721	46,955	87,766	76,568	29,527	47,041	55,247	12,957	1,651	11,306	15,777	13,407	2,880	10,226	664	216	211	1,815
1959	119,538	45,376	74,162	69,101	26,425	42,676	47,565	10,150	1,951	8,199	17,000	13,463	1,299	5,653	381	214	176	2,101
1960	125,490	36,148	89,342	64,299	18,196	46,103	57,430	16,021	1,595	14,426	16,357	11,999	3,230	9,823	639	166	230	2,706
1961	130,790	48,039	82,751	66,483	29,164	37,319	58,954	13,338	2,159	11,179	16,716	8,900	2,887	17,113	867	247	203	4,036
1962	140,183	50,474	89,709	70,778	30,389	40,389	60,521	19,549	3,061	16,488	17,024	5,691	2,787	15,474	871	272	162	7,579
1963	107,492	36,115	71,377	49,688	21,187	28,501	48,625	19,804	3,050	16,754	11,878	3,965	1,835	11,143	498	376	276	8,029
1964	152,071	41,639	110,432	74,399	26,200	48,199	65,069	28,597	1,820	26,777	13,619	5,519	3,485	13,849	714	471	308	11,110
1965	121,141	49,946	71,195	59,686	31,870	27,816	52,953	20,304	1,848	18,456	16,228	6,186	2,205	8,030	950	483	280	6,689
1966	171,184	56,029	115,155	100,499	40,303	60,196	61,741	27,879	2,580	25,299	13,146	9,199	3,101	8,416	935	712	266	7,031
1967	147,887	50,104	97,783	77,419	35,142	42,277	61,610	24,662	1,976	22,686	12,986	11,581	3,218	9,163	1,175	895	239	6,550
1968	169,540	51,455	118,085	93,393	34,647	58,746	66,151	28,904	2,688	26,216	14,120	11,639	2,660	8,828	1,472	1,063	249	7,212
1969	162,402	39,136	123,266	79,917	27,210	52,707	71,910	32,642	981	31,671	10,945	13,070	3,289	11,954	1,375	1,107	247	7,846
1970	186,795	57,452	129,343	99,734	42,140	57,594	76,875	38,172	2,340	35,832	12,972	14,203	2,100	9,428	1,081	1,279	207	7,619
1971	181,175	62,927	118,248	98,760	47,787	50,973	72,648	34,571	2,353	32,211	12,787	14,650	2,043	8,597	1,170	1,429	220	6,948
1972	168,238	40,661	127,577	85,993	29,380	56,613	72,494	36,813	1,648	35,165	9,633	14,095	2,123	9,830	811	1,647	190	7,103
1973	222,530	63,461	159,069	109,784	49,435	60,349	100,951	55,044	3,267	51,777	10,759	17,516	4,416	13,216	1,304	1,765	279	8,447
1974	195,708	62,530	133,178	83,913	44,698	39,215	99,744	54,208	2,609	51,599	15,223	15,302	2,907	12,104	974	1,913	450	8,714
1975	140,118	48,688	91,430	66,224	36,651	29,573	65,820	35,808	2,953	32,855	9,064	12,495	1,125	7,328	485	2,009	259	5,321
1976	223,755	60,985	162,770	96,882	44,595	52,288	114,979	69,539	2,400	67,139	13,991	18,113	3,198	10,138	897	2,001	345	8,651
1977	195,727	62,683	133,044	92,161	51,971	40,190	92,565	52,687	2,232	50,455	8,480	18,407	2,012	10,979	1,041	2,217	265	7,478
1978	237,390	85,864	151,526	120,900	68,904	51,996	105,410	62,100	3,360	58,740	13,600	18,600	2,210	8,900	990	2,110	230	7,750
1979	179,176	49,340	129,836	90,200	38,400	51,800	81,150	47,900	2,840	45,060	8,100	15,200	1,550	8,400	840	2,390	256	4,340
1980	189,090	63,142	125,948	98,182	49,816	48,366	80,526	43,450	3,121	40,329	10,205	15,544	1,873	9,454	1,017	2,791	212	6,362
1981	158,216	59,800	98,300	81,100	46,498	34,645	69,300	36,100	3,679	32,316	9,600	12,400	1,850	9,400	560	2,490	256	4,460
1982	186,773	66,000	121,000	84,300	47,621	36,840	91,800	43,000	3,582	39,525	14,800	16,800	2,540	14,700	1,070	2,470	263	6,830
1983	192,216	61,700	130,400	77,500	40,777	36,691	101,900	50,000	3,593	46,316	17,300	18,800	2,480	13,300	1,030	2,600	396	8,810
1984	172,627	58,100	114,700	68,600	39,862	28,801	90,500	41,800	4,194	37,695	14,000	19,200	1,890	13,600	1,110	2,720	867	8,840
1985	191,674	57,200	134,400	78,100	38,871	39,045	100,000	46,500	2,607	43,978	15,700	20,500	2,890	14,400	1,180	2,570	394	9,440

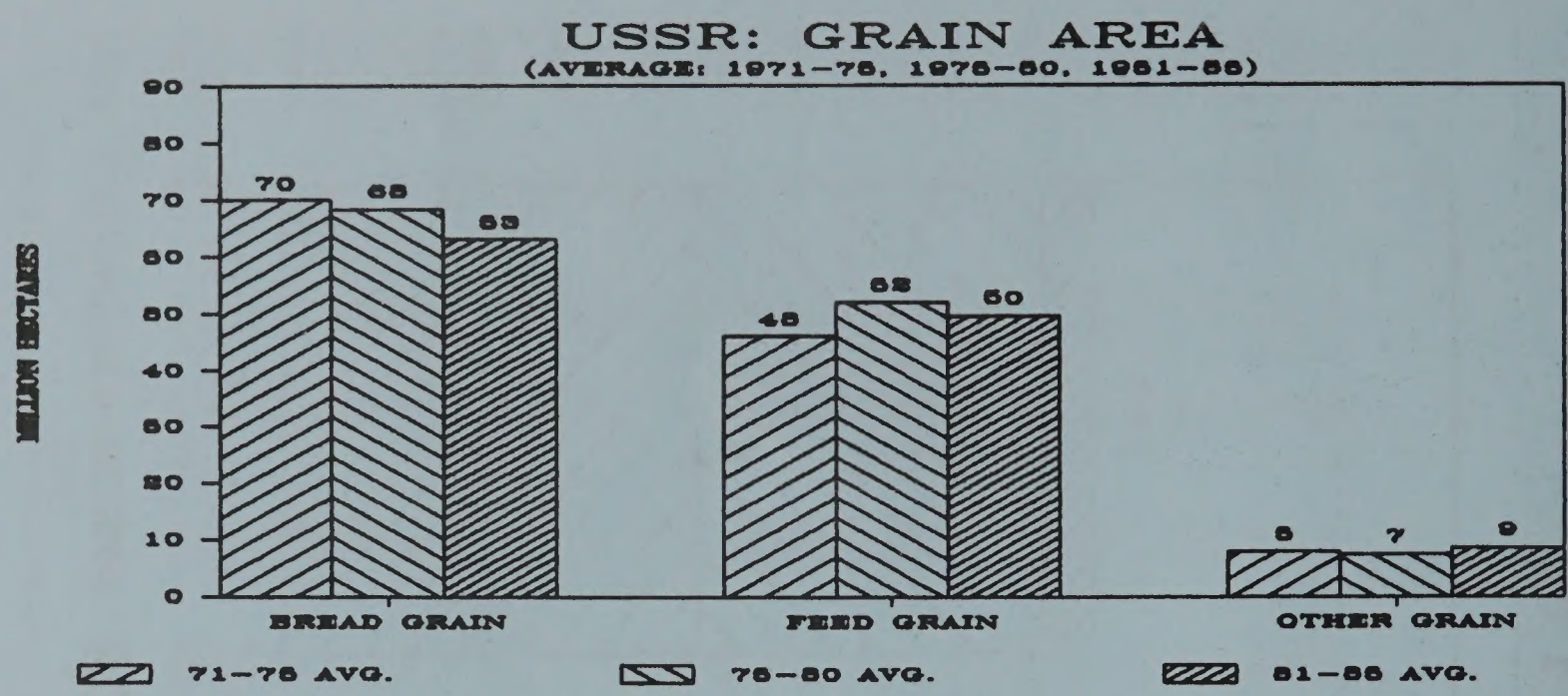
1/ Includes barley, rye, oats, millet and corn.
2/ Includes both winter and spring rye.
3/ Calculated residual

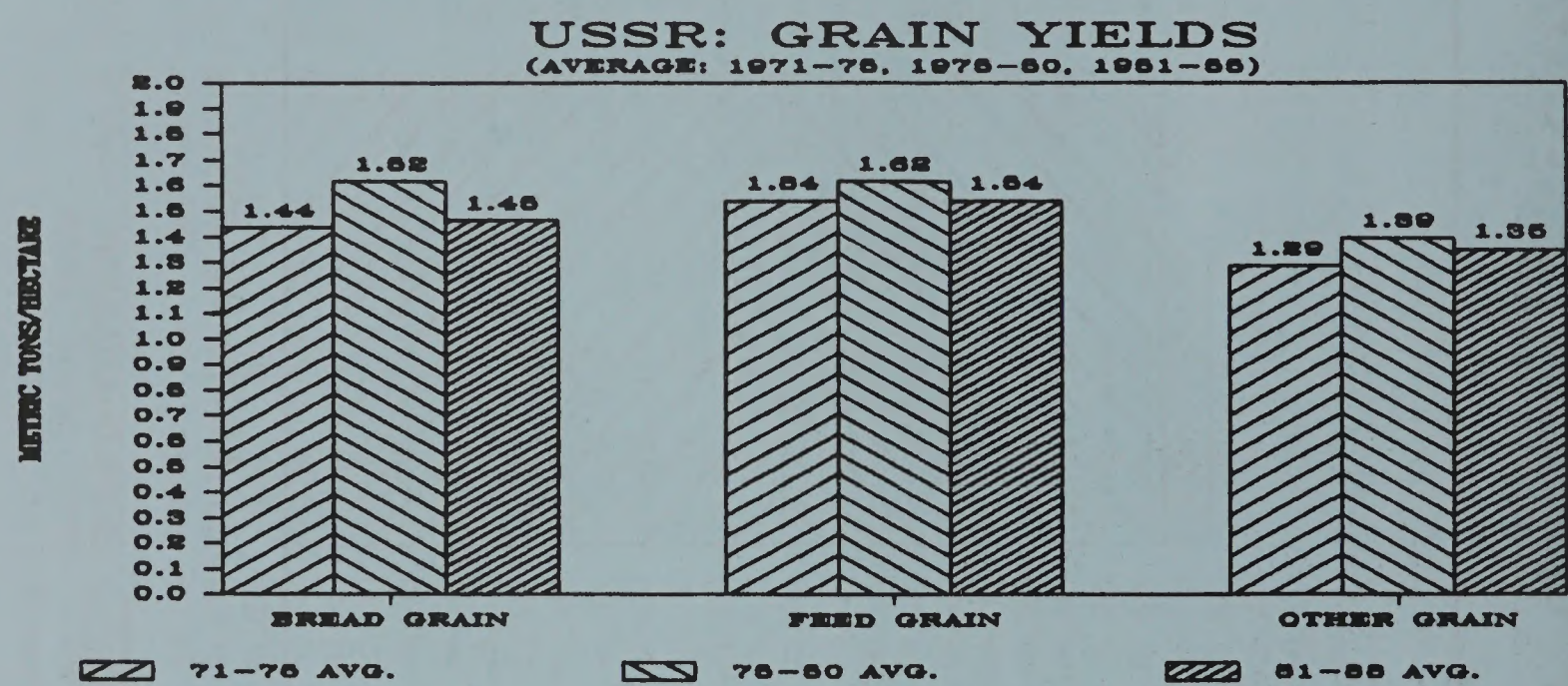
NOTE: Some figures during 1981-85 may not add because of rounding. Winter grains, spring grains, and total coarse grains are aggregates of individual Soviet grains which are compiled in order to conform to USDA classifications. Production data derived from official area and yield data for winter wheat, spring wheat, winter barley and spring barley.

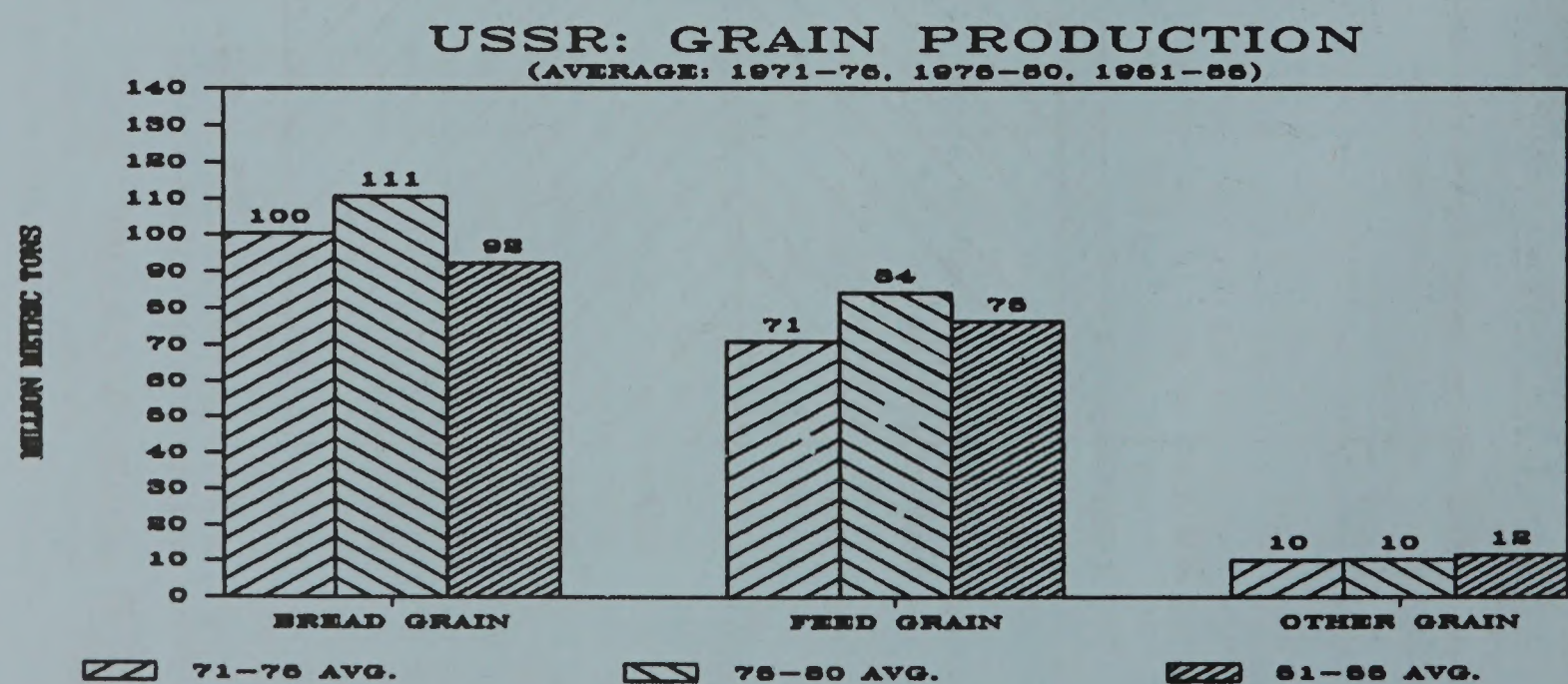
SOURCE: Official Soviet statistical publications, including Narodnoye Khozyaystvo 1985 and Vestnik Statistiki, No. 10, 1986.

USSR: GRAIN PRODUCTION

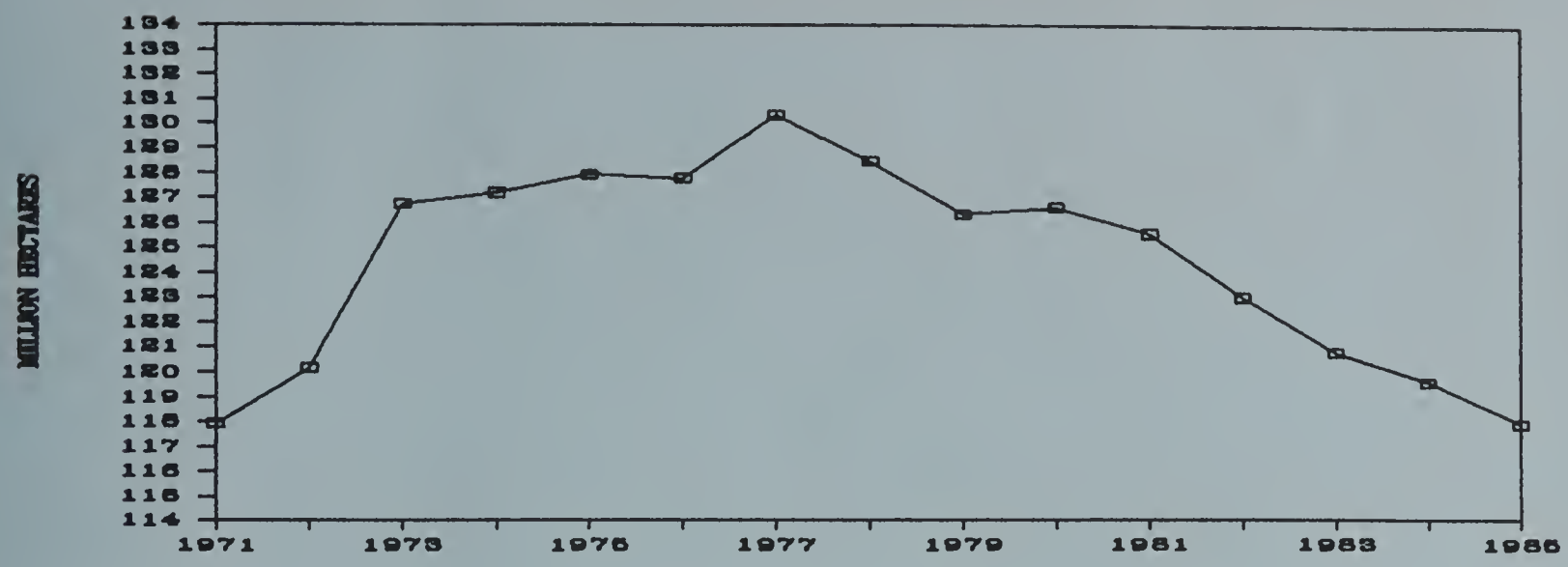



USSR: GRAIN AREA
(AVERAGE: 1971-75, 1976-80, 1981-85)
MILLION HECTARES
90
80
70
60
50
40
30
20
10
0
70
68
63
48
52
50
5
7
9
BREAD GRAIN
FEED GRAIN
OTHER GRAIN
71-75 AVG.
76-80 AVG.
81-85 AVG.

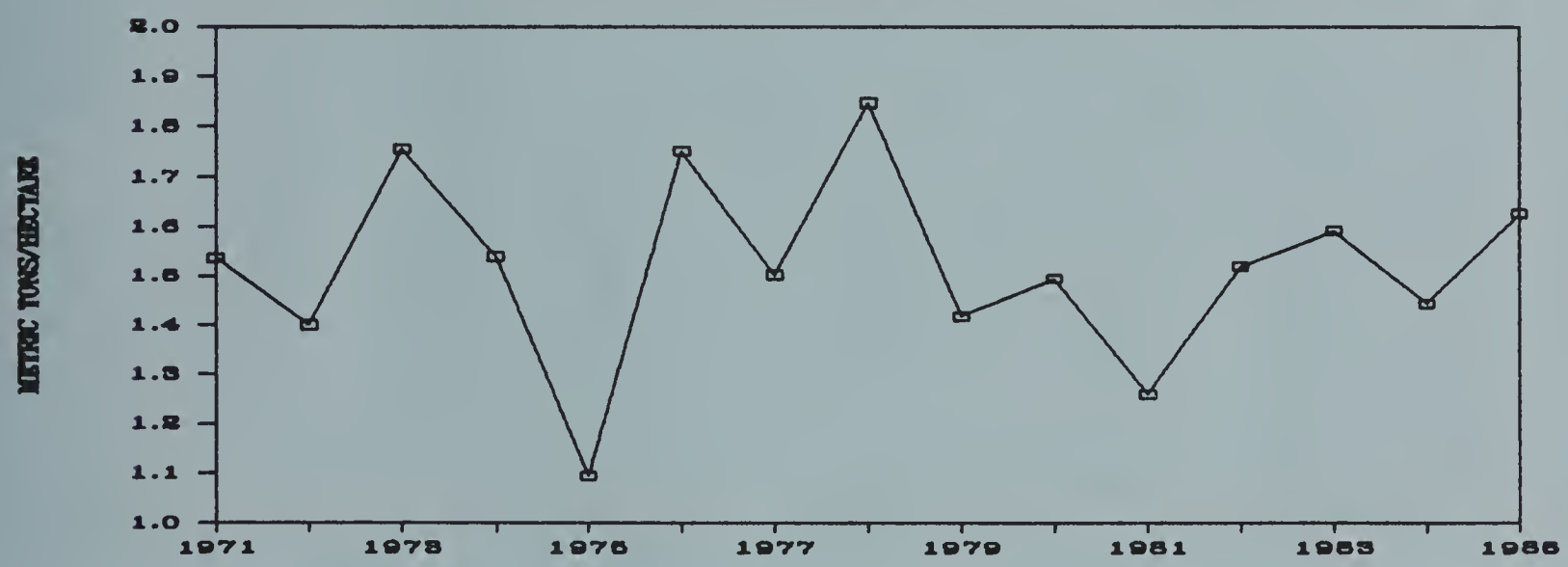

USSR: GRAIN YIELDS
(AVERAGE: 1971-75, 1976-80, 1981-85)
METRIC TONS/HECTARE
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
1.44
1.52
1.46
1.54
1.62
1.54
1.29
1.39
1.35
BREAD GRAIN
FEED GRAIN
OTHER GRAIN
71-75 AVG.
76-80 AVG.
81-85 AVG.


USSR: GRAIN PRODUCTION
(AVERAGE: 1971-75, 1976-80, 1981-85)
MILLION METRIC TONS
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
100
111
92
71
84
76
10
10
12
BREAD GRAIN
FEED GRAIN
OTHER GRAIN
71-75 AVG.
76-80 AVG.
81-85 AVG.

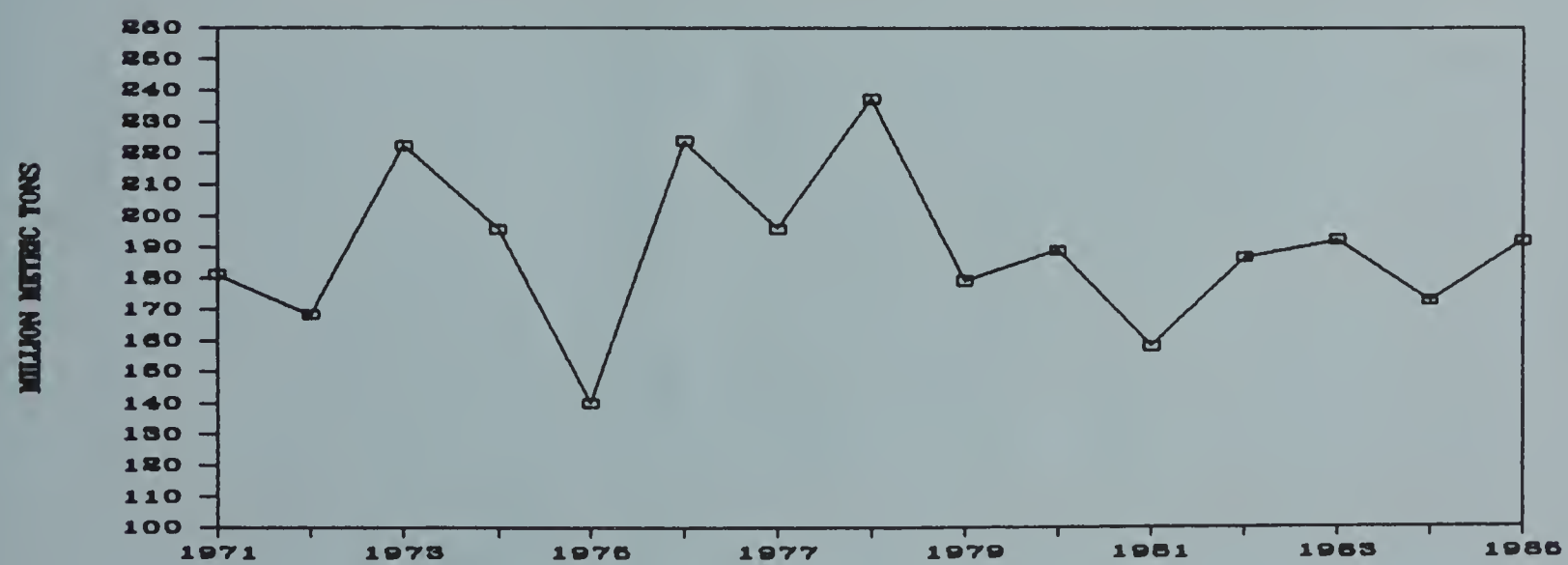
USSR: TOTAL GRAIN AREA, 1971–85

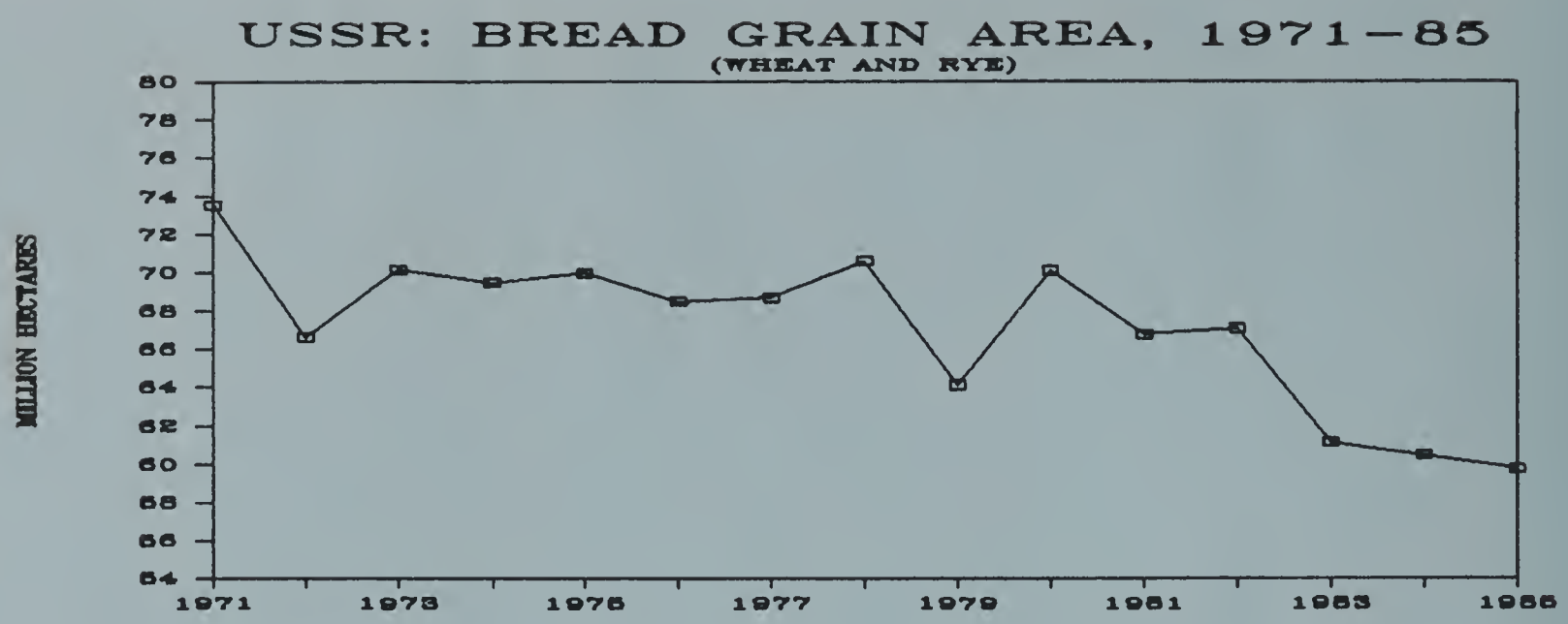


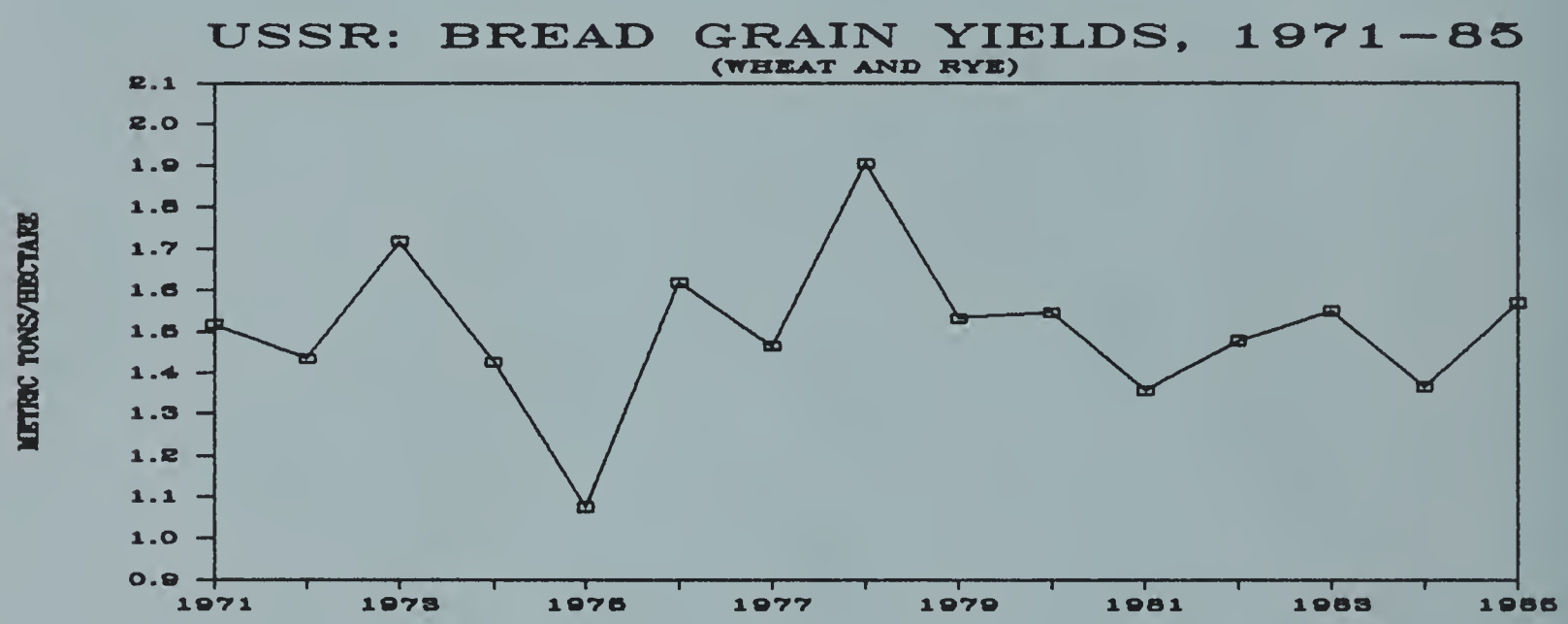
USSR: TOTAL GRAIN YIELDS, 1971–85

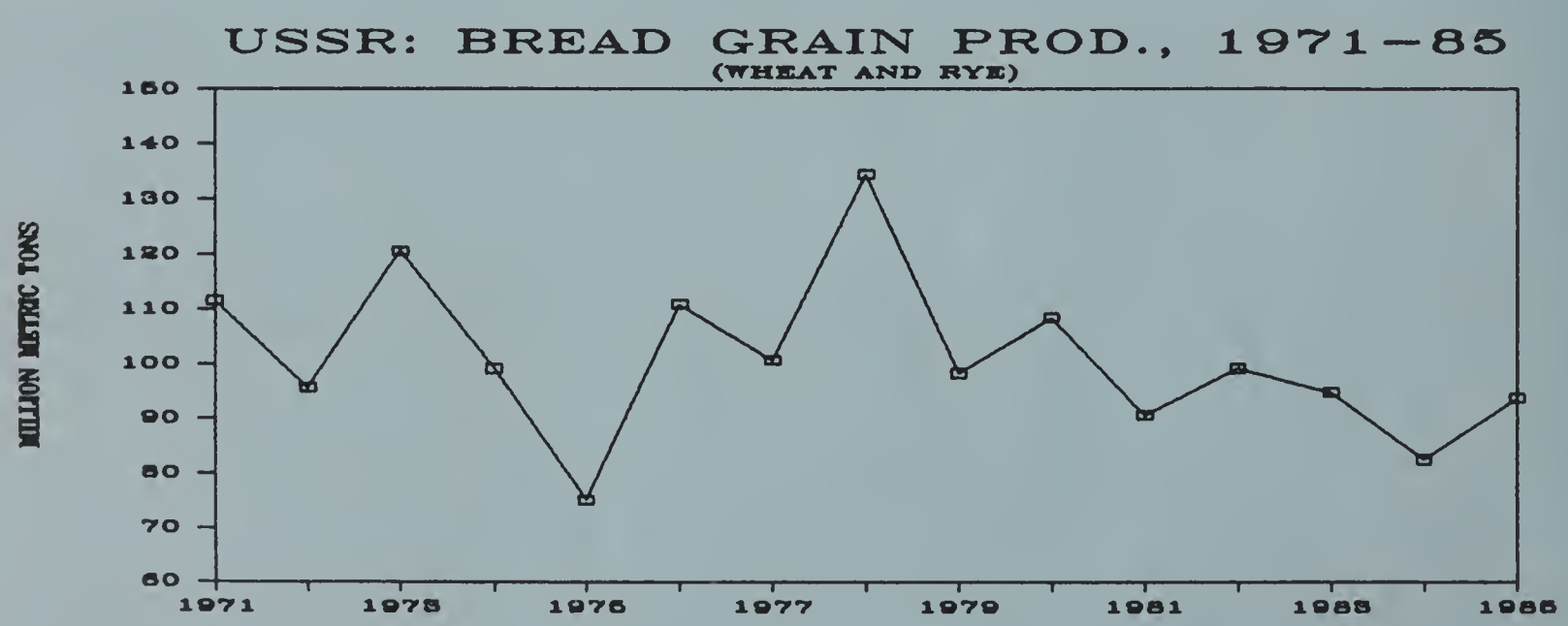


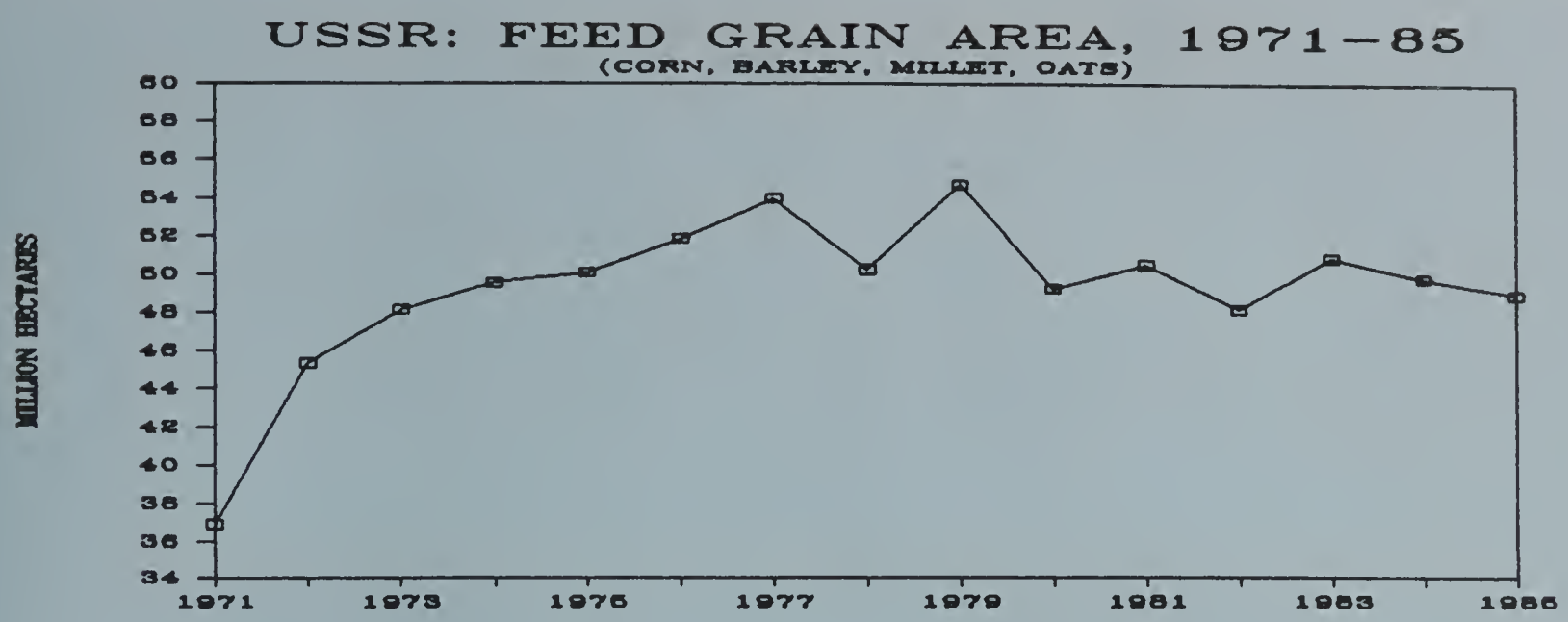
USSR: TOTAL GRAIN PROD., 1971–85

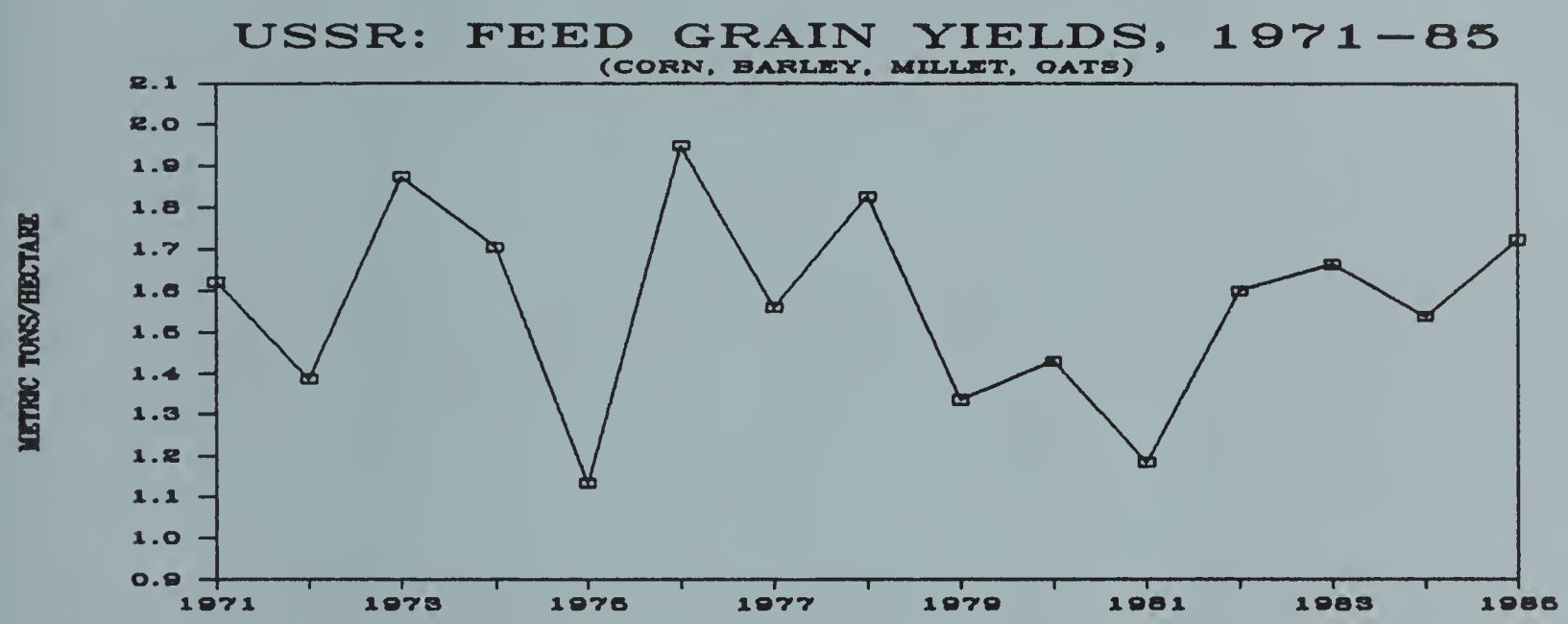


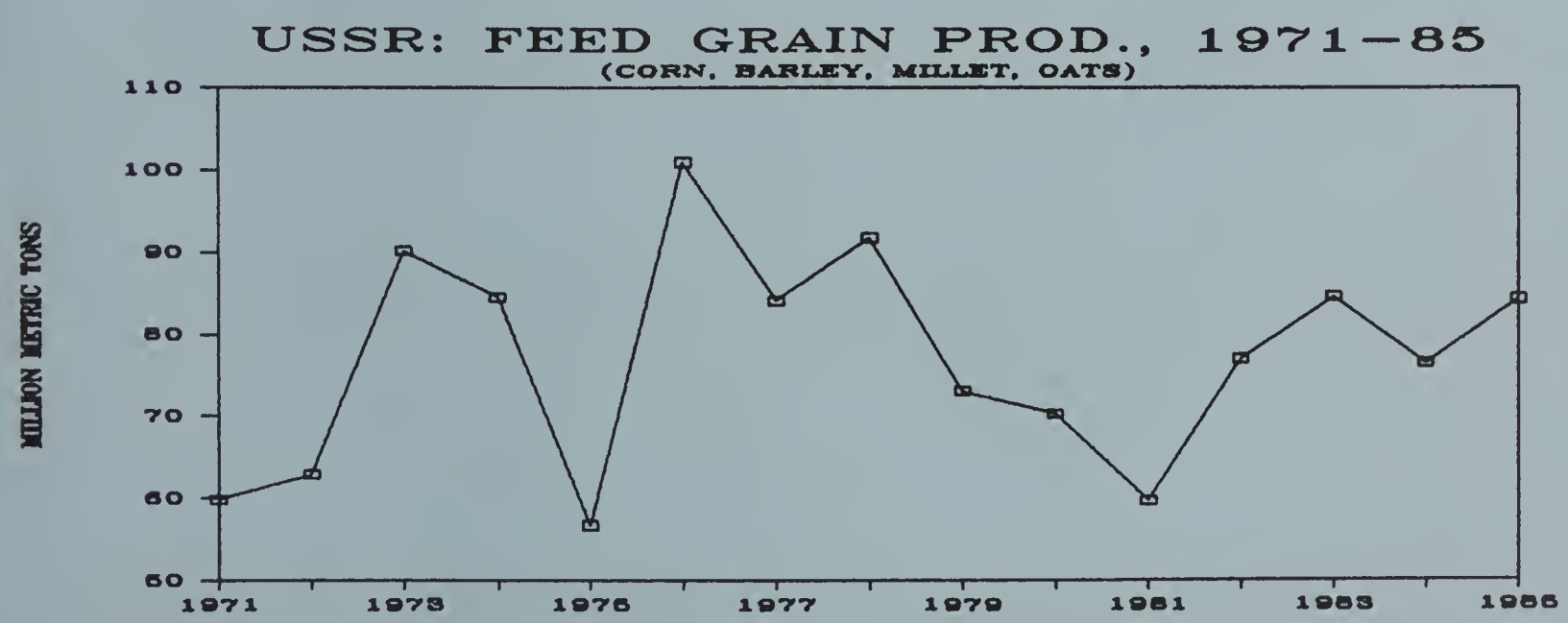

USSR: BREAD GRAIN AREA, 1971-85
(WHEAT AND RYE)
MILLION HECTARES
80
78
76
74
72
70
68
66
64
62
60
58
56
54
1971
1973
1975
1977
1979
1981
1983
1985

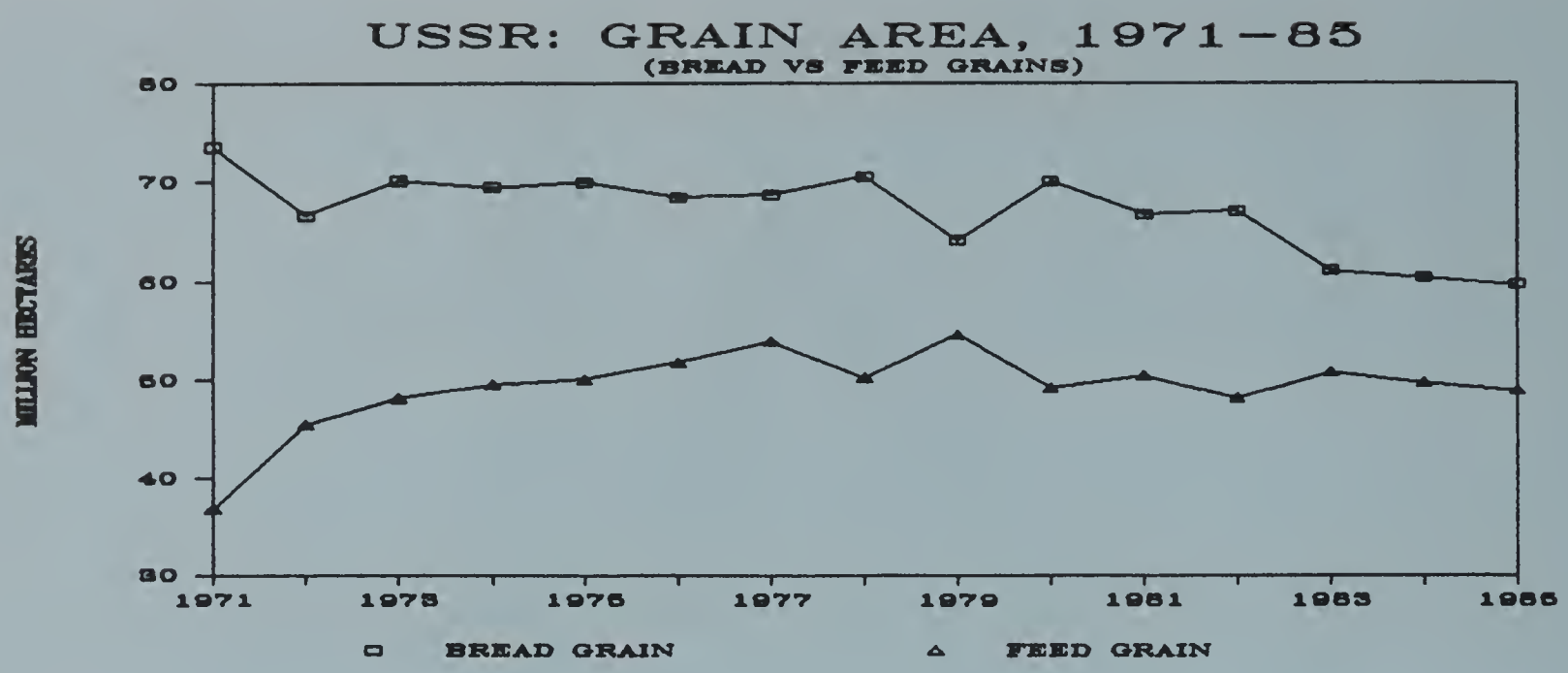

USSR: BREAD GRAIN YIELDS, 1971-85
(WHEAT AND RYE)
METRIC TONS/HECTARE
2.1
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
1971
1973
1975
1977
1979
1981
1983
1985

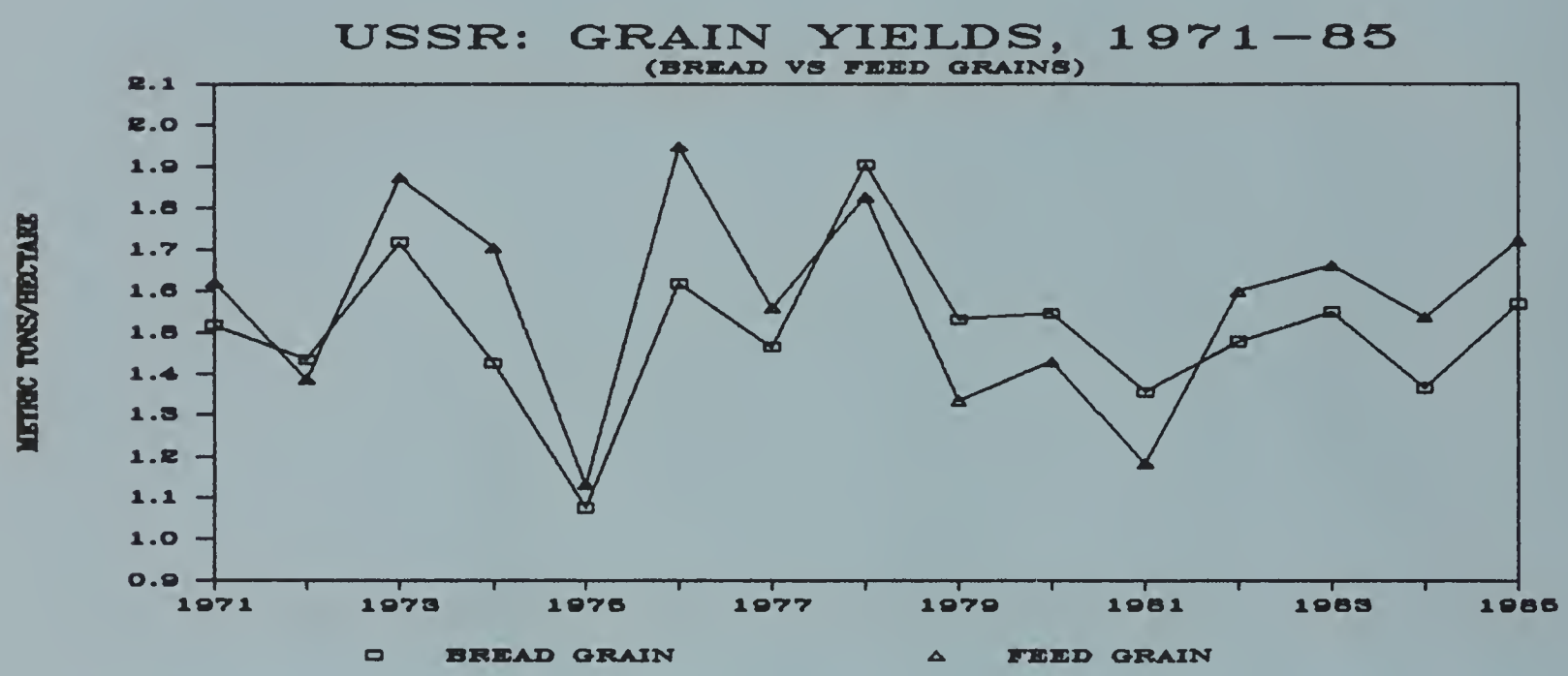

USSR: BREAD GRAIN PROD., 1971-85
(WHEAT AND RYE)
MILLION METRIC TONS
150
140
130
120
110
100
90
80
70
60
1971
1973
1975
1977
1979
1981
1983
1985

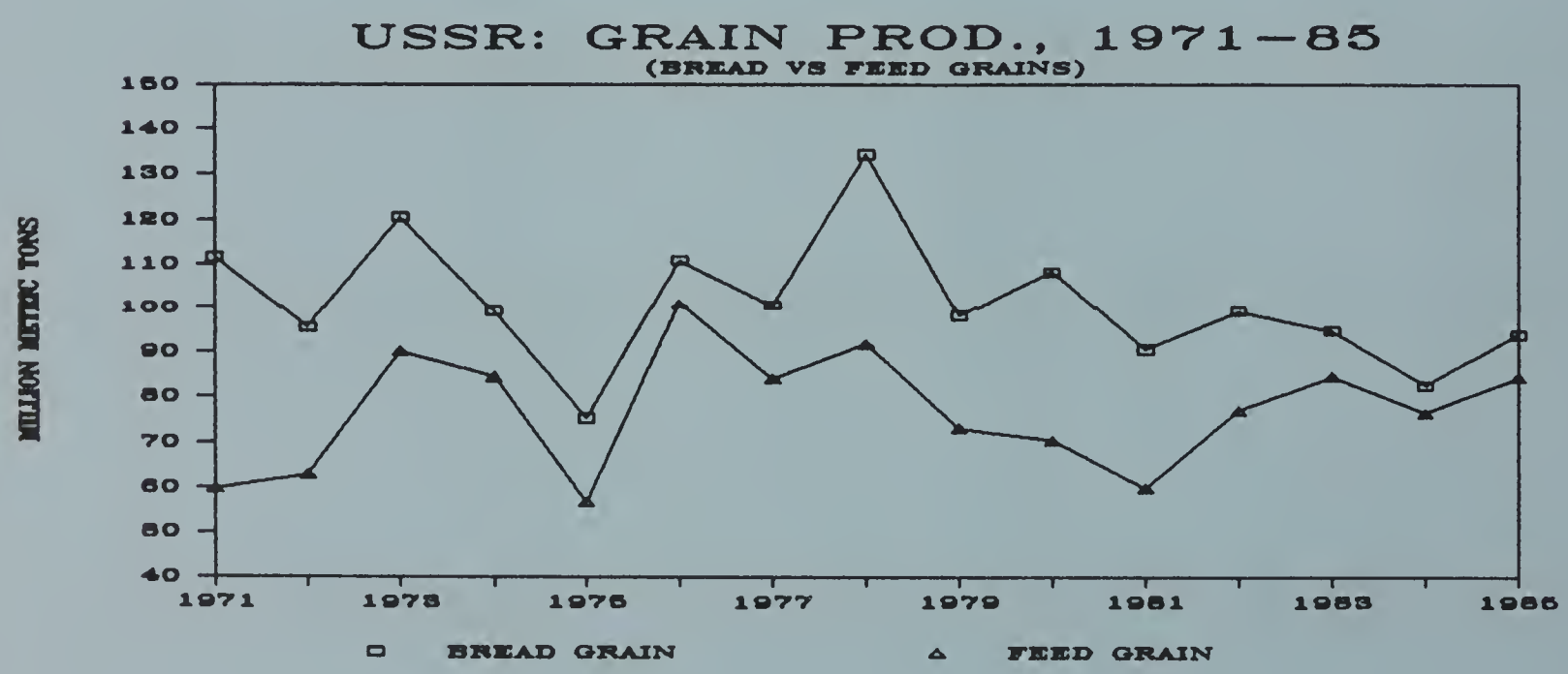

USSR: FEED GRAIN AREA, 1971-85
(CORN, BARLEY, MILLET, OATS)
MILLION HECTARES
70
68
66
64
62
60
58
56
54
52
50
48
46
44
42
40
38
36
34
1971
1973
1975
1977
1979
1981
1983
1985


USSR: FEED GRAIN YIELDS, 1971-85
(CORN, BARLEY, MILLET, OATS)
METRIC TONS/HECTARE
2.1
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
1971
1973
1975
1977
1979
1981
1983
1985

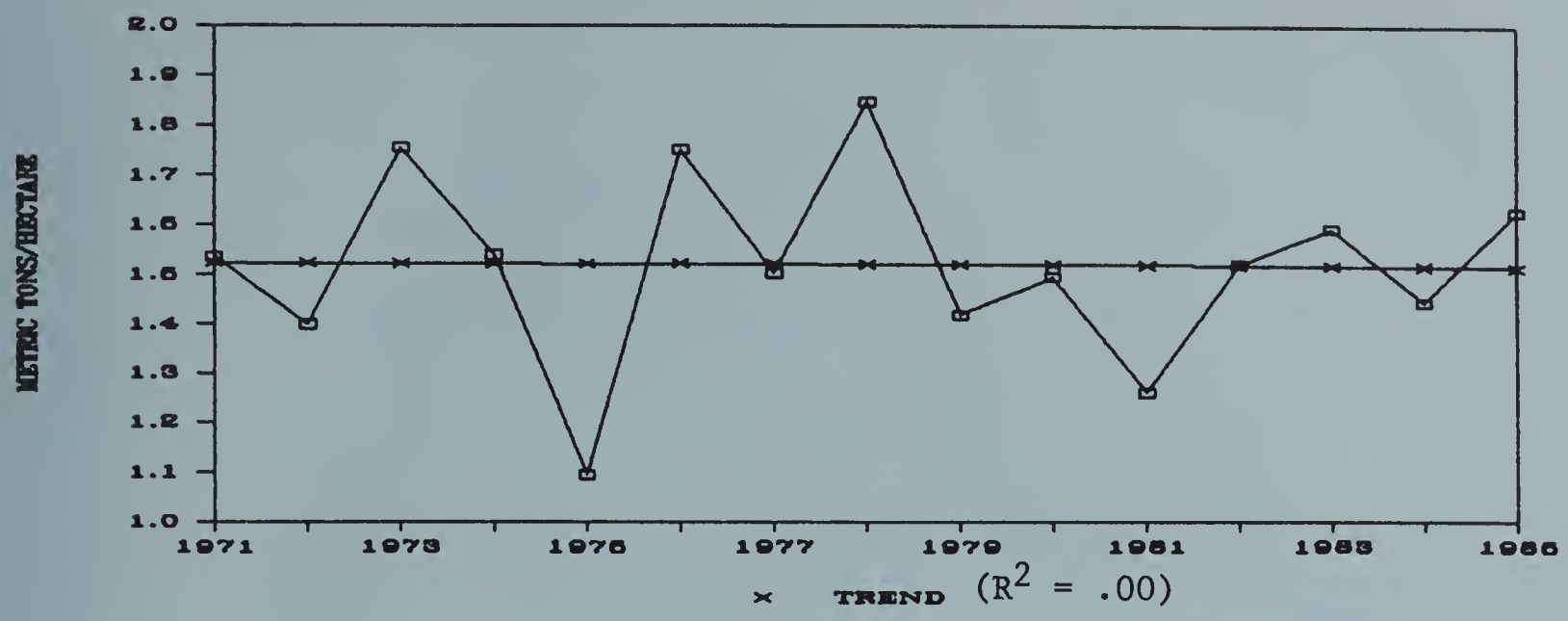

USSR: FEED GRAIN PROD., 1971-85
(CORN, BARLEY, MILLET, OATS)
MILLION METRIC TONS
110
100
90
80
70
60
50
1971
1973
1975
1977
1979
1981
1983
1985


USSR: GRAIN AREA, 1971-85
(BREAD VS FEED GRAINS)
MILLION HECTARES
80
70
60
50
40
30
1971
1973
1975
1977
1979
1981
1983
1985
BREAD GRAIN
FEED GRAIN

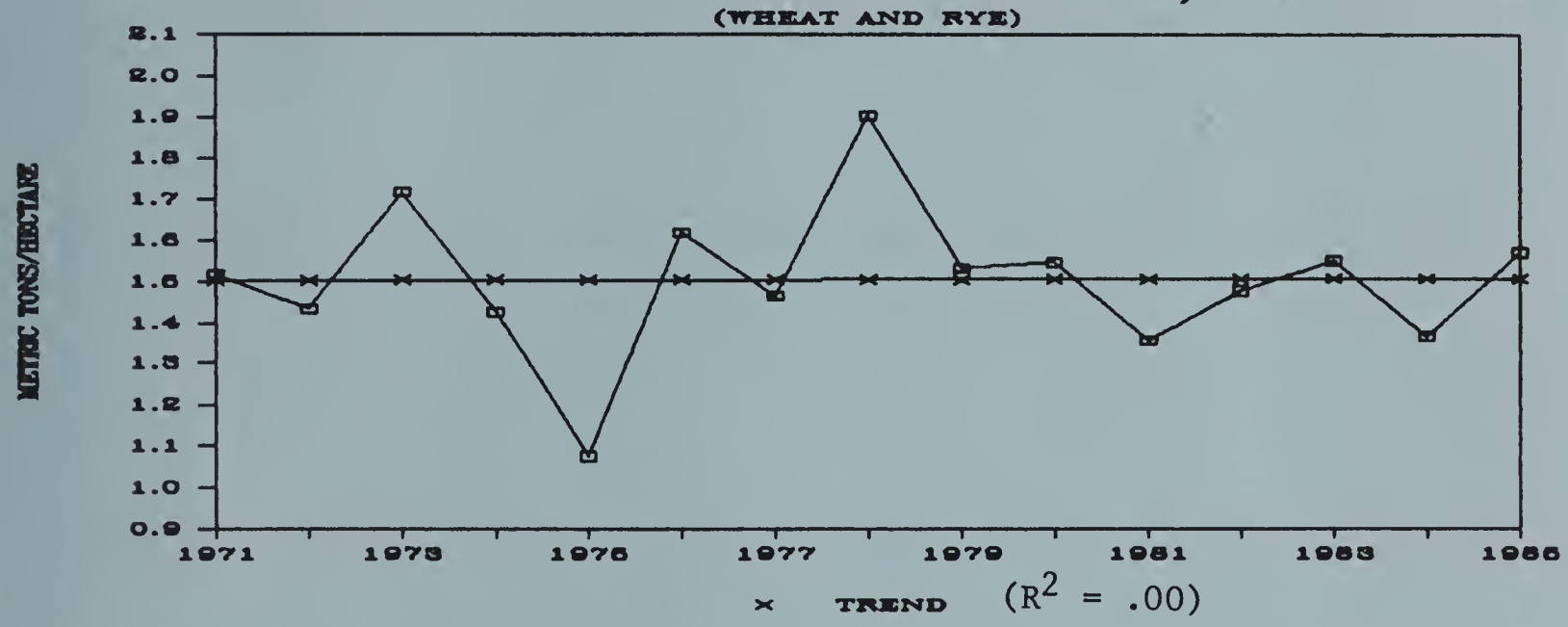

USSR: GRAIN YIELDS, 1971-85
(BREAD VS FEED GRAINS)
METRIC TONS/HECTARE
2.1
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
1971
1973
1975
1977
1979
1981
1983
1985
BREAD GRAIN
FEED GRAIN


USSR: GRAIN PROD., 1971-85
(BREAD VS FEED GRAINS)
MILLION METRIC TONS
150
140
130
120
110
100
90
80
70
60
50
40
1971
1973
1975
1977
1979
1981
1983
1985
BREAD GRAIN
FEED GRAIN

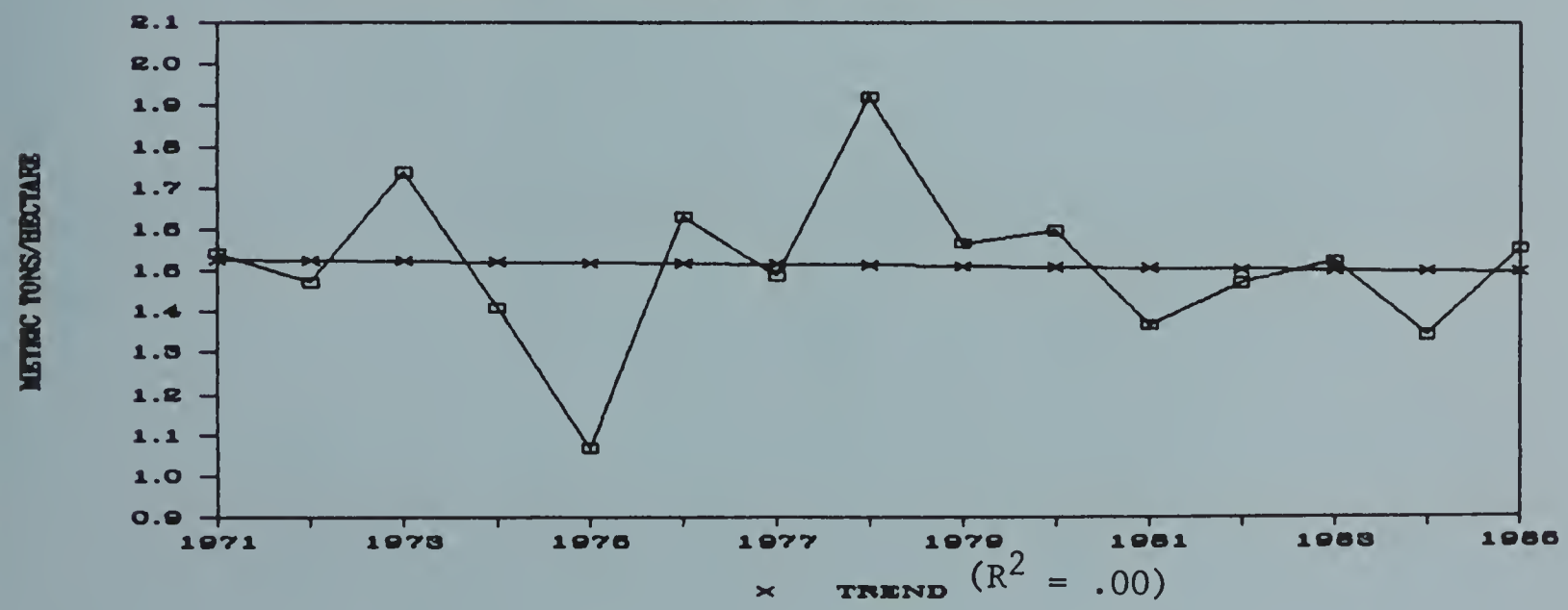
USSR: TOTAL GRAIN YIELDS, 1971–85



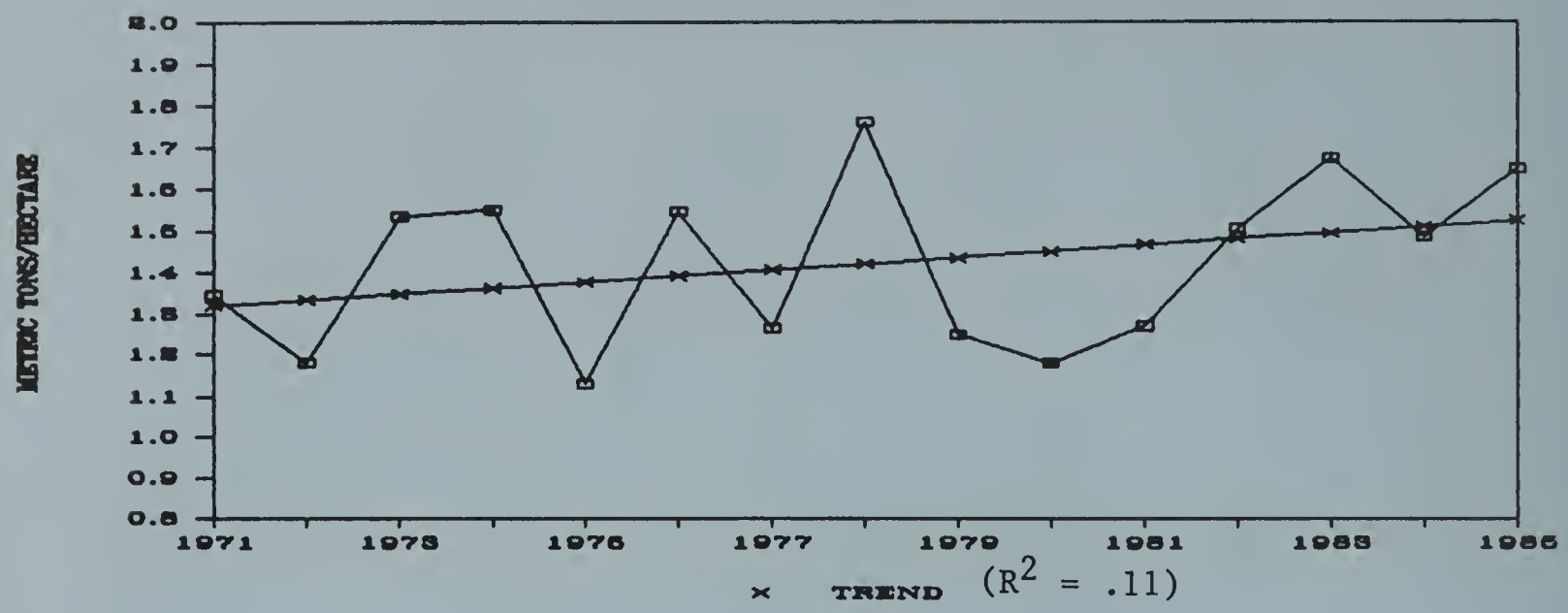
USSR: BREAD GRAIN YIELDS, 1971–85
(WHEAT AND RYE)



USSR: WHEAT YIELDS, 1971–85



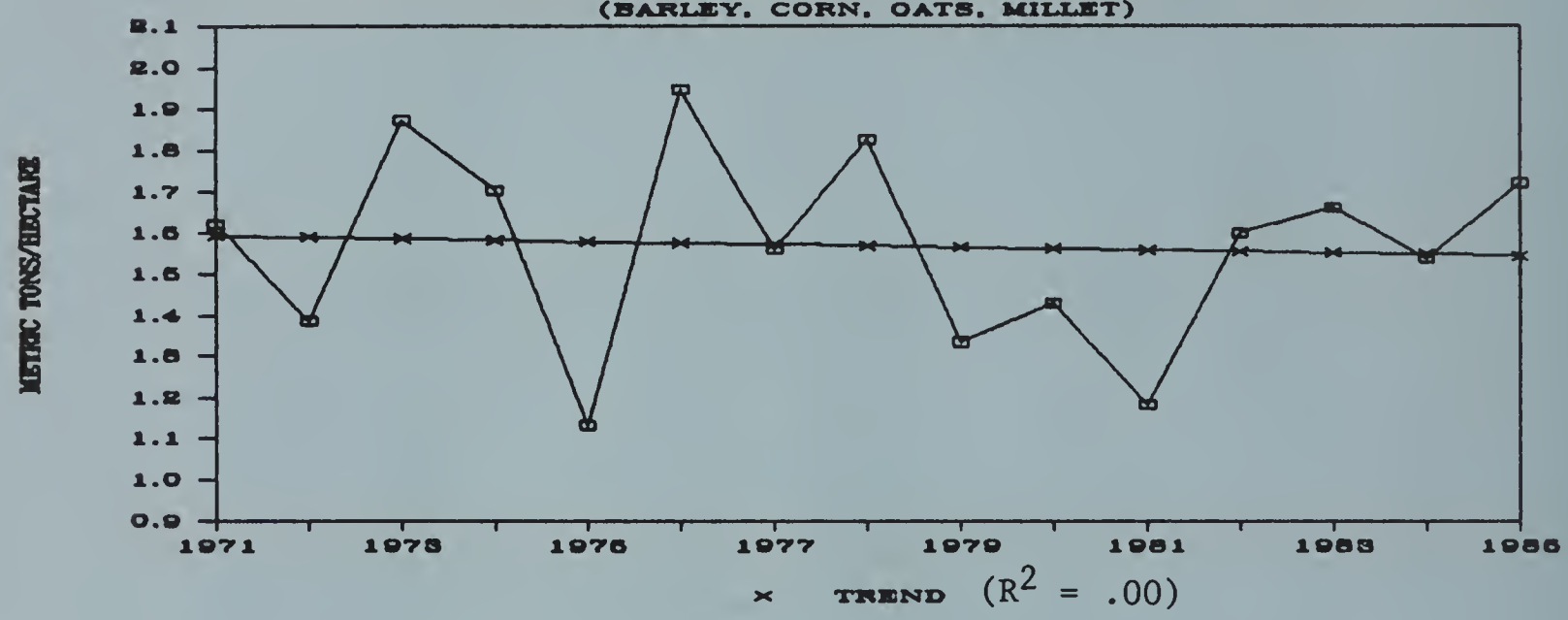
USSR: RYE YIELDS, 1971–85



(R^2 = .11)

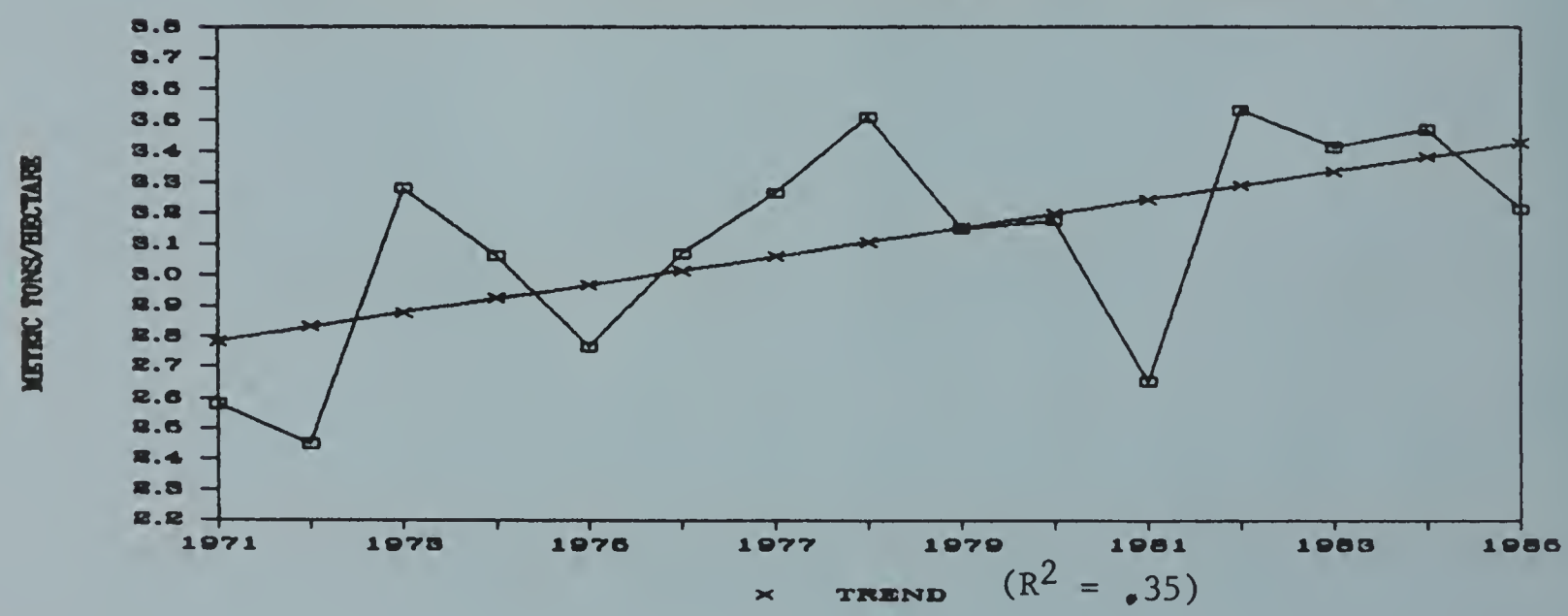
USSR: FEED GRAIN YIELDS, 1971–85

(BARLEY, CORN, OATS, MILLET)

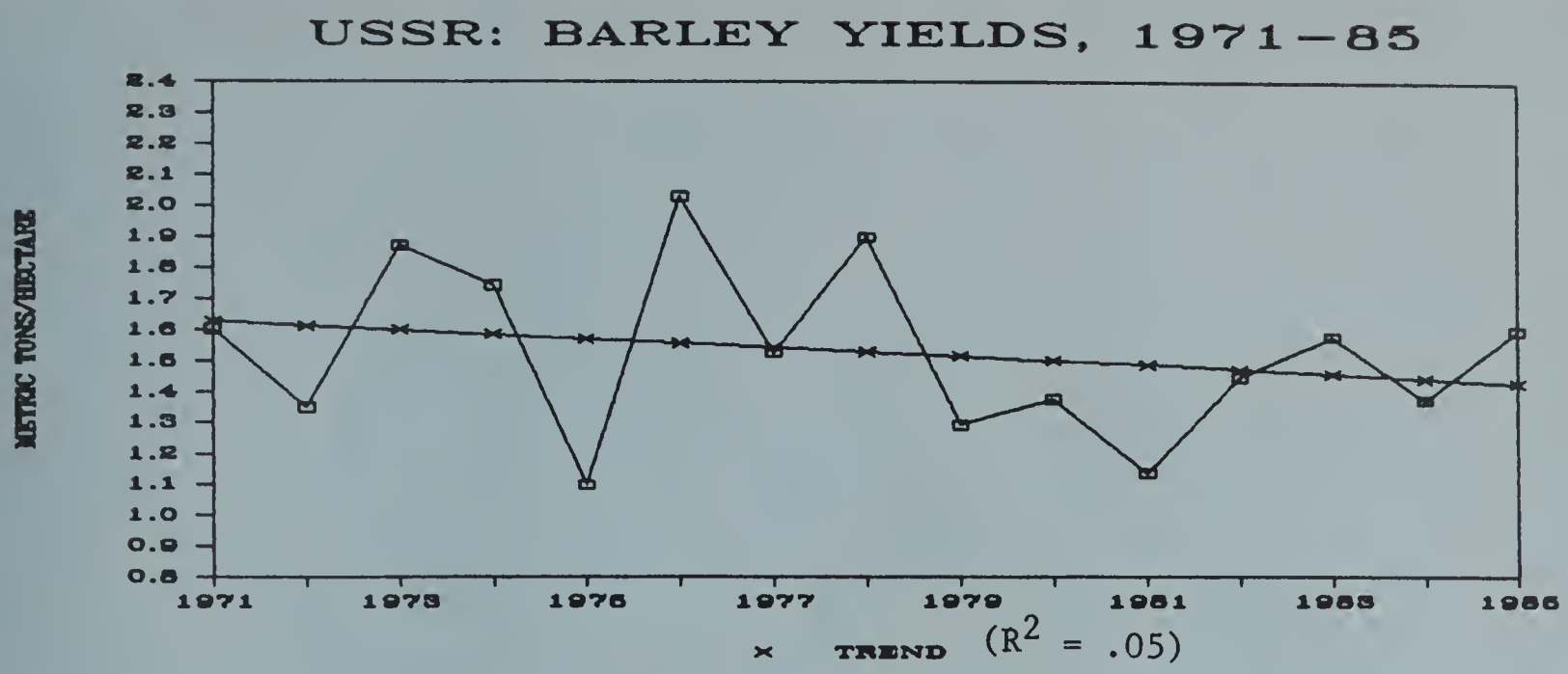


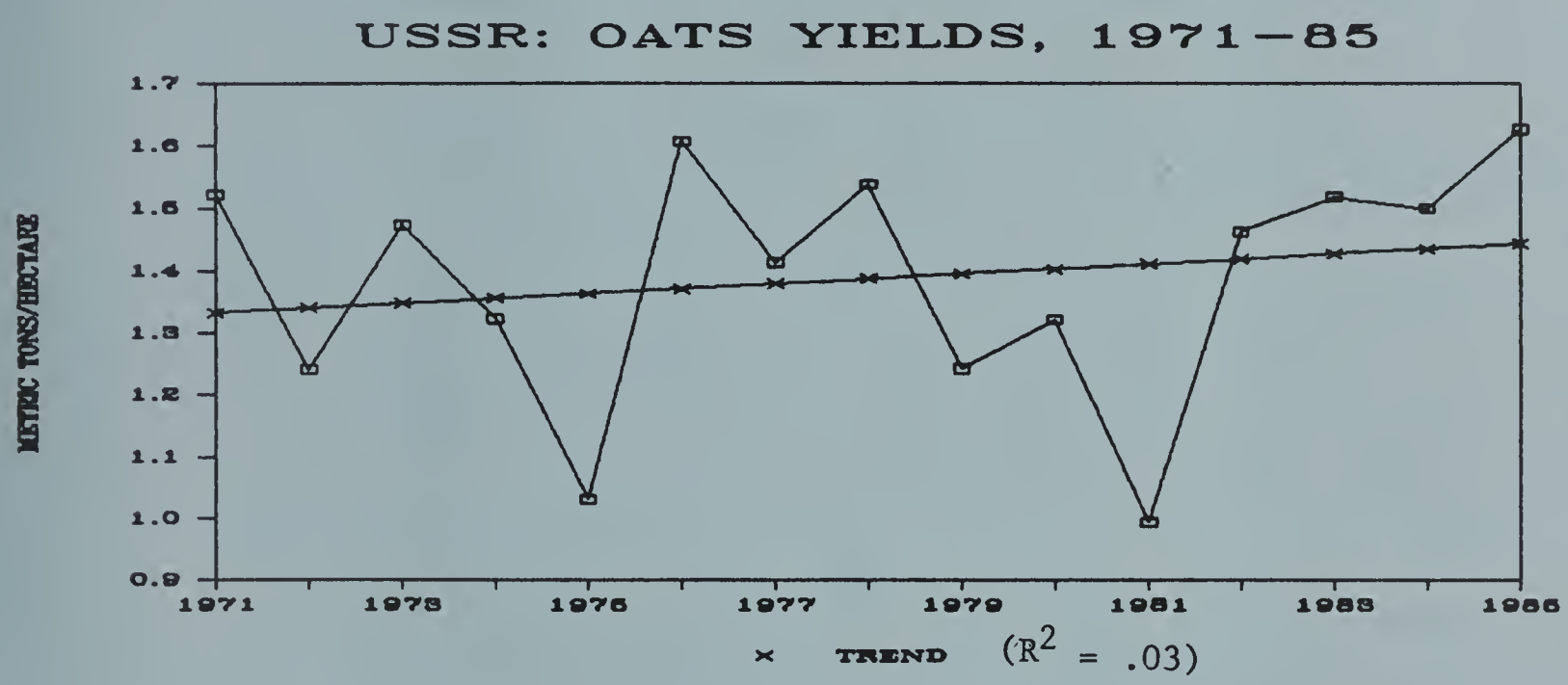
(R^2 = .00)

USSR: CORN YIELDS, 1971–85

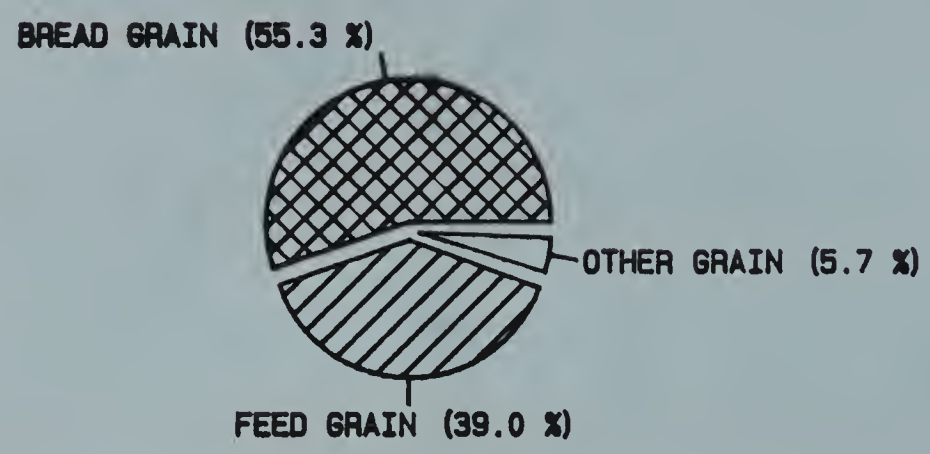


(R^2 = .35)

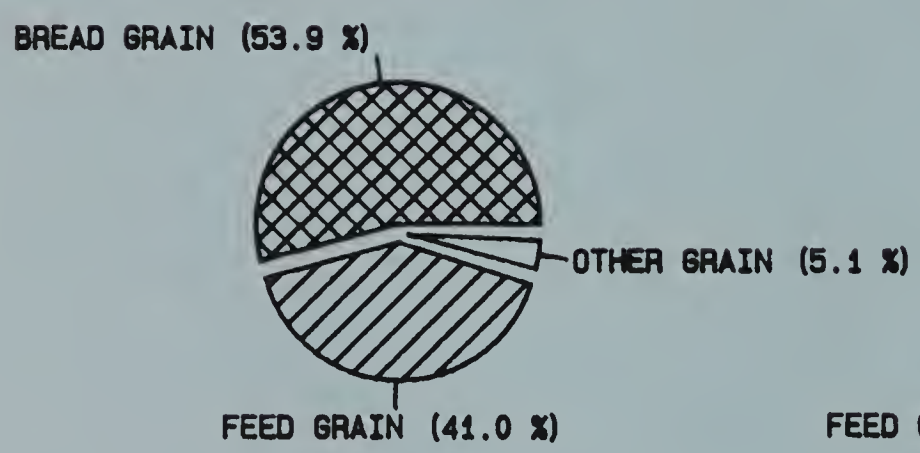

USSR: BARLEY YIELDS, 1971–85
METRIC TONS/HECTARE
2.4
2.3
2.2
2.1
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
1971
1973
1975
1977
1979
1981
1983
1985
× TREND (R^2 = .05)


USSR: OATS YIELDS, 1971–85
METRIC TONS/HECTARE
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
1971
1973
1975
1977
1979
1981
1983
1985
× TREND (R^2 = .03)

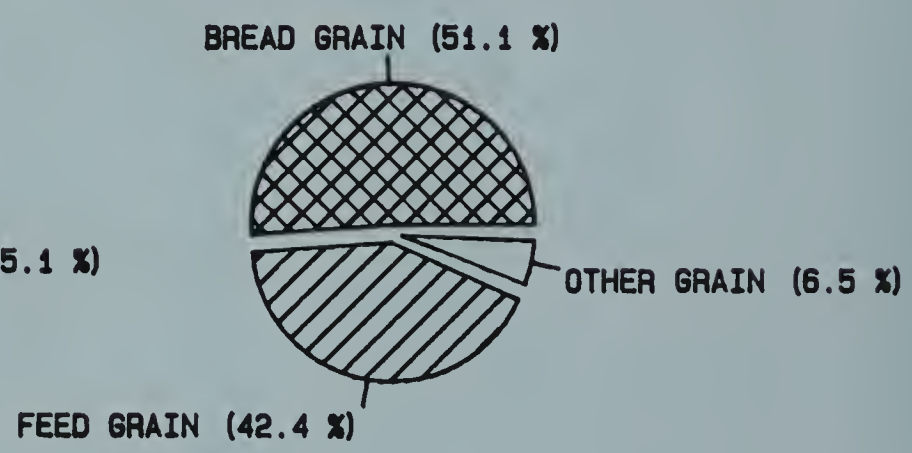
USSR: AVERAGE GRAIN PRODUCTION SHARES



1971-1975



1976-1980



1981-1985

USSR: GRAIN PRODUCTION BY REPUBLIC

Republic	1976-80 (Avg.)	1981	1982	1983	1984	1985	1981-85 (Avg.)
		---Million Metric Tons--					
RSFSR	113.9	78.8	105.2	111.5	92.4	106.6	98.9
Ukraine	43.2	36.1	41.9	36.5	41.7	40.5	39.3
Kazakhstan	27.5	23.8	19.5	23.2	15.8	24.2	21.3
Byelorussia	6.2	5.8	5.5	5.8	7.2	6.8	6.2
Moldavia	2.9	2.3	2.8	2.2	2.9	2.4	2.5
Lithuania	2.6	2.2	2.8	2.8	3.5	2.9	2.8
Latvia	1.4	1.2	1.5	1.5	2.0	1.6	1.6
Estonia	1.1	0.9	1.2	1.2	1.2	0.9	1.1
Uzbekistan	2.3	2.9	2.8	3.4	1.7	1.5	2.5
Kirgizia	1.4	1.5	1.0	1.5	1.2	1.5	1.3
Turkmenistan	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Tadzhikistan	0.3	0.3	0.3	0.4	0.3	0.3	0.3
Armenia	0.3	0.3	0.3	0.2	0.3	0.3	0.3
Georgia	0.7	0.5	0.6	0.6	0.7	0.6	0.6
Azerbaidzhan	1.1	1.2	1.2	1.2	1.3	1.3	1.2
USSR Total	205.0	158.2	186.8	192.2	172.6	191.7	180.3

For the entire USSR, grain production for 1981-85 was approximately 25 million tons (or 12 percent) below that for the previous five-year period (1976-80). While a few minor republics produced more grain, the three major grain producers produced less. The Ukraine produced 9 percent less and the RSFSR, 13 percent less, because of both reduced aea and reduced yields. In Kazakhstan, production fell 22 percent almost entirely because of lower yield.

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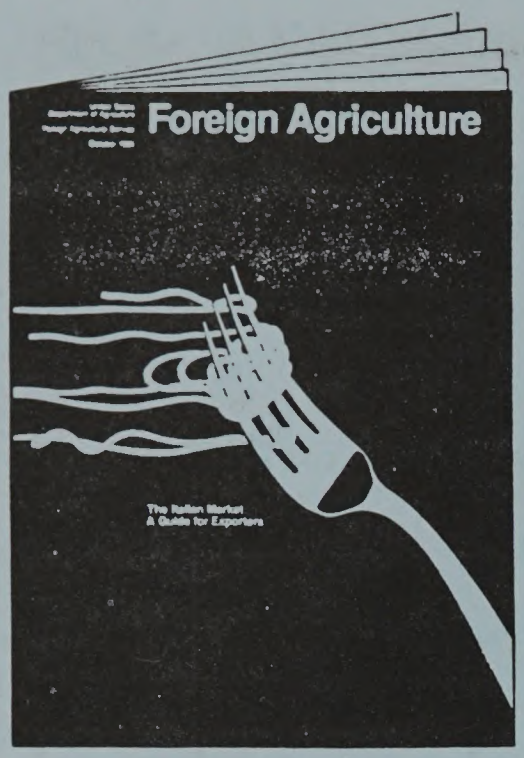

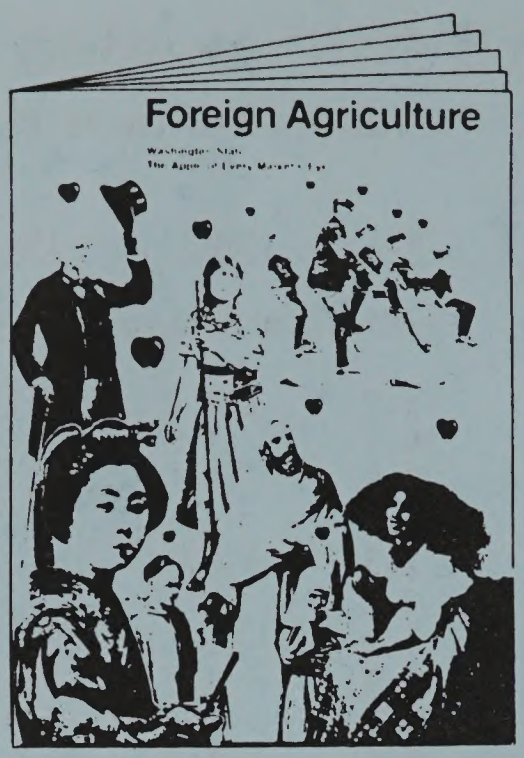

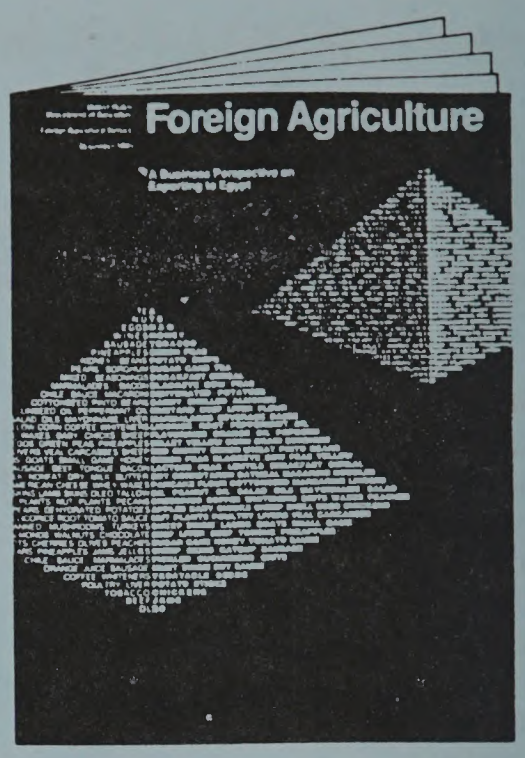

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